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MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.



January, 1970

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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LIST OF STATIONS

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT. ° N ° W ft.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall inten\$.	Evap.	Soil temp.	Sunshine
<u>Trinidad</u>	Centeno.	10 35	61 20	50	x	x		x	x	x	x	x	x	x
	Penal Agr. Stn.	10 10	61 28	25	x	x		x	x	x	x	x	x	x
	Piarco Airport.	10 35	61 21	41	x	x	x	x	x	x	x	x		x
	St. Augustine, U.W.I.	10 38	61 24	52	x	x	x	x	x	x	x	x	x	x
<u>Tobago</u>	Crown Point Airport.	11 09	60 50	9	x	x	x	x		x	x	x		x
	Louis d 'Or.	11 15	60 34	40	x	x		x	x		x		x	
<u>Grenada</u>	Mirabeau.	12 08	61 42	450	x	x		x	x	x	x	x		x
	Mt. Horne.	12 09	61 39	500	x				x					
	Pearls Airport.	12 09	61 37	22	x	x	x			x				
<u>Barbados</u>	Husbands, C.M.I.	13 08	59 37	370	x	x	x	x	x	x	x	x	x	x
	Seawell Airport.	13 04	59 29	183	x	x	x	x		x	x			x
<u>St. Vincent</u>	Arnos Vale Airport.	13 09	61 13	30	x	x	x			x				
	Camden Park.	13 10	61 15	15	x	x		x	x	x	x	x		x
<u>St. Lucia</u>	Beausejour Agr. Stn.	13 45	60 57	75	x	x		x	x	x	x	x		x
	Roseau, Winban.	13 56	61 02		x			x		x				x
	Vigie Airport.	14 01	61 00	7	x	x	x	x	x	x	x			

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MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		o 'N	o 'W	ft.										
<u>Dominica</u>	Melville Hall Airport.	15 33	61 18	43	x	x	x	x	x	x	x	x	x	x
	Roseau Cent. Livestock Farm.	15 18	61 23	220		x	x		x	x	x	x	x	x
<u>Montserrat</u>	Grove.	16 43	62 13	150		x	x			x				
<u>Antigua</u>	Antigua Sugar Factory.	17 07	61 48	25		x	x		x	x	x	x	x	x
	Coolidge Air- port.	17 08	61 47	26	x	x	x	x		x				
	Dunbars	17 09	61 50	220		x	x			x				
<u>St. Kitts & Nevis</u>	La Guerite	17 18	62 44	160		x	x		x	x	x	x		
<u>Br. Virgin Is.</u>	Beef Is. Air- port.	18 26	64 32	25	x	x	x			x				
	Paraquito Bay.	18 25	64 35	50		x	x		x	x				x
<u>Jamaica</u>	Bernard Lodge.	17 58	76 56	55						x	x			
	Bodles.	17 55	77 08	60						x	x			x
	Cedar Valley.	17 59	76 35	1980		x	x		x	x				
	Chapelton, Clarendon Coll.	18 05	77 17	650		x	x			x				

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JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	o 'N o 'W ft.	Synop Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage		Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
										Rainfall	Rainfall					
<u>Jamaica</u>	Cinchona Hill Gdns.	18 04	76 39	4895		x	x					x				
	Dallas.	17 59	76 42	950		x	x					x				
	Duckenfield.	17 55	76 15	60		x	x					x				
	East Albion Nursery.	17 53	76 35	90		x	x					x				
	Empire Nursery.	18 02	76 39	2130		x	x					x				
	Farm Hill.	18 03	76 38	4020		x	x				x	x		x		
	Frome.	18 18	78 09	90		x	x					x				
	Grove Place.	18 07	77 31	1600		x	x				x	x	x	x		x
	Halls Delight.	18 03	76 40	3020		x	x				x	x		x		
	Hope Gdns.	18 01	76 45	710		x	x					x				
	Irwin.	18 27	77 53	80		x	x					x				
	James Hill.	18 10	77 20	2000		x	x					x				
	Kingston, St. Georges Coll.	17 59	76 47	90		x	x					x				
	Marshalls Pen.	18 03	77 32	2300		x	x	x	x			x				
	Mason River Field.	18 11	77 16	2300		x	x					x				
	Montego Bay Airport.	18 30	77 55	5	x	x	x	x	x	x	x		x			x
	Monymusk.	17 48	77 16	30		x	x					x				
	Morant Point L.H.	17 55	76 11	5	x	x	x	x	x		x					

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JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		° N	° W	ft.										
<u>Jamaica</u>	Negril Point L.H.	18 15	78 22	25	x x x					x				
	Orange River.	18 15	76 53	950	x x x			x	x	x x	x	x		x
	Palisadoes Airport.	17 56	76 47	10	x x x	x	x	x	x	x x	x	x		x
	Pembroke Hall.	18 18	76 59	700	x x					x				
	Richmond Est.	18 27	77 15	120	x x					x				
	Smithfield.	18 24	78 06	925	x x			x	x	x	x	x	x	x
	Spanish Town.	18 00	76 56	70	x x					x				
	Top Mountain.	18 05	76 40	3550	x x					x	x			
<u>Cayman Is.</u>	Worthy Park.	18 08	77 09	1250	x x					x				x
	Grand Cayman Airport.	19 17	81 22	20	x x x	x	x	x		x				
<u>Br. Honduras</u>	Belize Airport.	17 32	88 18	17	x x x	x	x	x		x				x
<u>Guyana</u>	Bartica Potaro Road.	05 37	58 53	400	x x					x				
	Ebini.	05 34	57 47	60	x x					x	x			x
	Georgetown Bot. Gdn.	06 48	58 09	5	x x x	x	x	x	x	x x	x	x	x	x
	Hosororo.	08 10	59 48	300	x x					x				
	Mabaruma	08 12	59 47	185	x x x	x	x	x	x	x				

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GUYANA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop.	Obs.	Temp.	Humidity	Wind sp. & dir.	Daily Wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine	
					o 'N	o 'W										
<u>Guyana</u>	Mahaicony	06 28	57 46	5	x	x					x	x			x	
	Abary R.D.S.															
	Matthews Ridge.	07 31	60 10	350	x	x					x	x			x	
	Mazaruni	06 24	58 39	45	x	x					x				x	
	Prison.															
	Mon Repos.	06 47	58 03	10	x	x					x				x	
	New Amsterdam.	06 15	57 31	5	x	x					x	x			x	
	Port Kaituma.	07 44	59 33	100	x	x					x					
	Timehri Air- port.	06 30	58 15	95	x	x	x	x	x	x	x					
	Timehri Cent. Hort. Stn.	06 31	58 16	95	x	x			x	x	x	x	x	x	x	x
	Wauna.	08 09	59 51	100	x	x			x	x	x	x	x		x	

NOTES ON THE OBSERVATIONS AND SUMMARIES

GENERAL

1. The station list includes some stations that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a listed station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time.
2. At synoptic stations, station elevation refers to the height of the barometer cistern above mean sea level; at other stations, it refers to the height above mean sea level of the ground on which the raingauge stands.
3. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
4. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.
5. Local Standard Time (LST) in British Honduras is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".
6. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to British Honduras, and concluding with Guyana.
7. A blank space indicates that data are not available, or were considered unreliable.

TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12 and 18h GMT). At other stations they are the one or two hours at which observations are made each day.

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II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5) mostly cloudy (6, 7) or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

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III

2. The rainfall data are from the standard raingauges at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred, and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean wind-speed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and are entered to the previous day. Hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly wind-speeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V.

3. Evaporation is usually measured using a Class A pan, a metal container 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the

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IV

month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day.

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than \pm 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

JM/jb

C.M.I.

January, 1970.

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TABLE I - SUMMARY OF DAILY OBSERVATIONS - JANUARY 1970
(CONTINUED)

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COUNTRY	STATION	MEAN TEMPERATURE AND HUMIDITY										TOTAL CLOUD AMOUNT (eighths)										VISIBILITY (No. of Observations) (miles)										
		TEMPERATURE					HUMIDITY					PRESSURE					MEAN WIND SPEED					CLOUD AMT					AMT					
		DEG ABOVE W.S.	HOUR LAST	DRY BULB	NET WATER	VAPOR	REL. PRESS	MM	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb	mb		
JAMAICA	MONTego Bay Airport	3	01	72.8	70.6	24.1	85	1015.0	3.2	2.6	1	19	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26		
JAMAICA	MONTego Bay Airport	3	07	72.2	69.6	23.6	87	1015.1	3.6	3.6	0	17	2	7	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1.27		
JAMAICA	MONTYNSK	30	13	80.8	74.8	27.1	75	1014.8	11.6	3.5	0	13	9	6	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.30		
JAMAICA	MORANT POINT LH	6	08	74.4	71.7	25.4	88	1014.6	4.6	4.1	1	9	11	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29		
JAMAICA	MORANT POINT LH	6	01	77.6	72.6	25.6	82	1014.6	7.6	3.9	0	12	10	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29		
JAMAICA	MORANT POINT LH	6	07	77.4	73.8	27.0	84	1014.6	8.1	4.5	0	10	7	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31		
JAMAICA	MORANT POINT LH	6	13	80.9	76.3	26.6	80	1014.6	6.1	4.5	0	14	17	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31		
JAMAICA	MORANT POINT LH	19	17	84.4	76.6	21.6	83	1014.8	7.6	4.5	1	5	15	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31		
JAMAICA	MORANT POINT LH	13	83.6	74.1	24.6	63	1014.5	6.8	3.6	0	16	5	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31		
JAMAICA	MORANT POINT LH	27	19	77.3	71.9	24.4	76	1014.3	3.6	3.5	2	14	5	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31			
JAMAICA	MORANT POINT LH	9	01	75.5	71.3	24.2	80	1014.5	4.7	3.7	0	20	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31			
JAMAICA	MORANT POINT LH	07	14	74.6	70.3	23.4	80	1014.5	5.1	3.2	0	15	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31			
JAMAICA	MORANT POINT LH	13	84.2	74.8	23.4	63	1014.5	5.7	3.7	0	14	8	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31			
JAMAICA	MORANT POINT LH	19	79.3	73.2	25.1	73	1014.0	8.0	3.2	0	17	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31			
JAMAICA	RICHMOND SW MTFIELD PARK	120	06	75.0	71.4	24.7	84	08	72.5	69.3	22.9	84	07	64.5	63.0	19.2	93	07	64.5	62.0	19.2	93	07	64.5	62.0	19.2	93	07	64.5	62.0	19.2	93
JAMAICA	RICHMOND SW MTFIELD PARK	125.0	15	78.5	72.4	24.4	73	06	68.6	67.4	22.7	95	1015.4	2.1	4.4	0	9	8	5	4	2	1	0	0	0	4	13	9	0	0		
SR HONDURAS	BELIZE AIRPORT	17	06	76.6	72.4	24.4	73	12	78.3	72.4	24.6	73	1015.4	6.2	5.2	0	6	9	7	0	0	0	0	0	1	1	5	24	0			
SR HONDURAS	BELIZE AIRPORT	17	14	84.4	77.1	24.5	82	1014.8	3.2	4.1	0	12	6	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25		
GUYANA	BARTICCA & DIASO RD	400	03	76.1	74.1	24.7	93	03	76.1	71.2	24.5	82	1014.8	3.2	4.1	0	12	6	9	3	0	0	0	0	0	0	0	0	0	0		
GUYANA	GEORG TOWN BOT GDN	7	08	79.3	75.8	28.9	85	1015.7	4.2	5.7	0	4	5	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13		
GUYANA	GEORGETOWN BOT GDN	7	14	81.5	76.9	29.6	81	1011.7	7.0	1.0	0	1	12	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15		
GUYANA	HUSURDO	08	76.1	74.5	28.5	92	14	82.0	76.9	26.9	92	08	79.0	75.4	28.7	85	08	79.0	75.4	28.7	85	08	79.0	75.4	28.7	85	08	79.0	75.4	28.7	85	
GUYANA	WAHATUNY ARARY RD	6	14	82.1	77.9	30.6	82	14	82.1	77.9	30.6	82	06	75.2	72.2	26.9	90	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82
GUYANA	WAHATUNY ARARY RD	14	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82	14	81.2	77.9	30.6	82															

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COUNTRY	STATION	AIR TEMPERATURE °F										MEAN EXTREMS MIN MAX IN. HR.	MEAN GRASS SHRUBS MIN MAX IN. HR.	TOTAL NO. OF DAYS WITH MEAN EXTREMS MIN MAX IN. HR.	TOTAL NO. OF DAYS WITH MEAN EXTREMS MIN MAX IN. HR.				
		RAINFALL (inches)		NUMBER OF DAYS WITH MORE THAN THREE IN A DAY		MEAN TEMPERATURE MAX MIN IN. HR.		MEAN TEMPERATURE MAX MIN IN. HR.		MEAN TEMPERATURE MAX MIN IN. HR.									
		TOTAL AMOUNT IN. HR.	MOST IN A DAY IN. HR.	DAYS WITH MORE THAN THREE IN A DAY	DATE MORE THAN THREE IN A DAY	MEAN TEMPERATURE MAX MIN IN. HR.	MEAN TEMPERATURE MAX MIN IN. HR.	MEAN TEMPERATURE MAX MIN IN. HR.	MEAN TEMPERATURE MAX MIN IN. HR.	MEAN TEMPERATURE MAX MIN IN. HR.	MEAN TEMPERATURE MAX MIN IN. HR.								
TRINIDAD	PIARCO AIRPORT	4.662	1.532	24	16	86.6-12	70-8	78-8	89-6	85-9	85-9	0	0	0	0	0			
TOMAUG	ST AUGUSTINE UNI	2.447	1.61	4	15	86.5-3	62-7	78-6	88-5	66-7	0	0	0	0	0	0			
BRENADE	CROWN POINT AIRPORT	3.26	1.47	24	11	84.7-6	73-7	79-5	86-7	70	263-0	0	0	0	0	0			
BARBADOS	MOONE MOUNTAIN	4.422	1.88	50	9	84.6-3	72-3	78-6	86-6	69	250-7	0	0	0	0	0			
	HUSBANDS CHI	1.222	1.29	30	8	84.6	71-3	77-9	88-6	67	281-5	0	0	0	0	0			
	SEAPELL AIRPORT	1.490	0.61	50	10	84.5-5	71-8	79-2	86-7	69-1	276-9	0	0	0	0	0			
	VISIE AIRPORT	3.31	1.14	22	10	84.5-3	72-8	78-6	87-6	69	0	0	0	0	0	0			
	WELVILLE WALL AIRPORT	1.110	0.70	21	5	83.5-3	71-8	71-1	84-6	65	192-3	0	0	0	0	0			
	COOLIDGE AIRPORT	1.111	0.52	21	7	83.9-3	72-5	78-7	86-6	66	0	0	0	0	0	0			
	GUNBARS																		
JAMAICA	BERNARD LODGE	1.34	0.70	11	3	86.5	65-6	76-0	92-6	62	252-3								
	BOOLES GROVE	2.27	1.15	11	4	85.6	60-2	72-9	89-5	54									
	CEDAR VALLEY	9.40	4.07	12	9	78.7	58-2	68-4	85-5	51									
	CINCHONA GARDENS	10.00	5.47	12	9	67.8	45-5	56-4	72-4	42									
	DALLAS	4.76	2.57	12	5	81.3	51-5	66-4	86-2	28									
JAMAICA	DUCKENFIELD	6.59	1.86	12	17	82.4	69-4	76-2	87-6	61	212-4								
	EAST ALBION NURSERY	5.82	1.80	12	10	85.7	63-5	74-7	85-5	52									
	EMPIRE NURSERY	6.72	3.07	12	5	79.5	59-4	65-5	84-5	52									
	FROWE	3.15	2.58	11	5	86.7	65-3	76-0	92-5	58									
	HALLS DELIGHT	4.86	2.62	12	6	76.4	60-7	68-5	81-5	54									
JAMAICA	HOPE GARDENS	5.31	2.52	12	5	84.4	58-3	71-2	88-5	51									
	IRVING	9.33	2.12	16	8	83.6	65-9	74-9	90-6	62									
	JAMES HILL	4.47	3.22	12	2	78.0	52-0	62-0	82-2	52									
	KINGSTON ST. GEORGES	3.11	1.73	12	5	85.2	70-3	78-2	91-6	55									
	MARSHALLS PBN	5.20	1.70	22	7	78.5	65-2	69-3	82-5	52									
JAMAICA	MONTego BAY AIRPORT	1.45	1.05	12	6	82.1	66-3	73-4	87-5	55	220-9	0	0	0	0	0			
	MORANT POINT LH	7.13	3.14	13	9	82.2	62-7	75-5	86-1	58									
	NEGRI POINT LH	5.92	4.45	17	5	85.5	69-9	77-7	90-6	55									
	PALISADES AIRPORT	2.63	1.83	12	3	85.0	73-0	79-4	91-6	57	743-4	0	0	0	0	0			
JAMAICA	RICHMOND	7.62	2.78	12	9	82.1	66-2	74-2	86-6	59	209-7								
	SPRINGFIELD	6.64	4.15	12	4	86.2	67-9	74-3	98-50	50	202-2	0	0	0	0	0			
	SPANISH TOWN	2.29	1.07	13	5	86.5	59-7	70-9	96-54	54	186-3								
	NORTHY PARK	6.44	3.83	12	10	81.9	59-7	70-9	96-54	54	198-9								
SR HONDURAS	BELIZE AIRPORT	2.93	1.50	31	9	81-3	67-9	74-3	98-50	50	202-2	0	0	0	0	0			
	BARTACAPOTARIO RD	9.54	5.47	6	23	86.6	71-5	80-3	93-55	55	186-3	2	0	0	0	0			
	GEORGETOWN BKT	13.12	5.21	9	22	85.7	75-5	79-5	86-71	71	189-3	0	0	0	0	0			
	MOSORORO	8.07	1.72	7	16	86.1	71-4	78-7	93-59	59	87-5								
	MANAICONY ABARY RDS	8.79	1.97	10	14	85.3	74-9	79-4	94-71	71	210-0								
GUYANA	MATTHEWS RIDGE	4.77	1.78	21	18	85.2	72-2	78-7	92-72	72									
	MAZARANI PRISON	13.37	5.68	9	23	85.4	65-4	74-4	85-71	71	189-3	2	0	0	0	0			
	MON REPOS	14.05	2.59	9	19	86.4	74-1	79-5	94-70	70	189-3								
	NEW AMSTERDAM	16.35	1.64	2	23	86.9	69-8	78-1	92-74	74	210-0								
GUYANA	TIMEHRI AIRPORT	16.16	2.32	9	22	85.0	70-4	77-7	93-66	66	0	0	0	0	0	0			
	TIMEHRI CH3	16.61	0.61	9	22	85.7	69-6	77-4	93-65	65	0	0	0	0	0	0			
	TIMEHRI CH4	17.04	1.29	7	19	85.0	70-1	77-0	93-67	67	0	0	0	0	0	0			

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS - JANUARY 1970

COUNTRY	STATION	DIRECTION OF WIND (in. miles)	EVAPORATION (inches)	SOIL TEMPERATURES °F							
				At 2 inch Depth				At 4 inch Depth			
				DAILY MOST MEAN DAY	TOTAL AMOUNT DAY	MOST IN A DAY	DATE	MEAN MAX	MEAN MIN	EXTREMES MAX DATE MIN	MEAN MAX
TRINIDAD	PIARCO AIRPORT	85	124	6.50	•30	14					
TOBAGO	ST AUGUSTINE UBI	25	48	4.20	•19	31					
BARBADOS	CROWN POINT AIRPORT			6.56	•29	31					
JAMAICA	HUSBANDS CMI	142	177	7.18	-29	13	69.1	74.5	92	16	73
GUYANA	SMITHFIELD	75	156	7.18	-29	13	79.6	66.9	83	25	62
	GEORGETOWN BUT SON	70	120	4.21	-23	19					
	MAHAICONY AIRPORT RDS	135	194								
	TIMEHRI CHS	52	61								
	WAUNA	39	64	4.67	-28	22					

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - JANUARY 1970

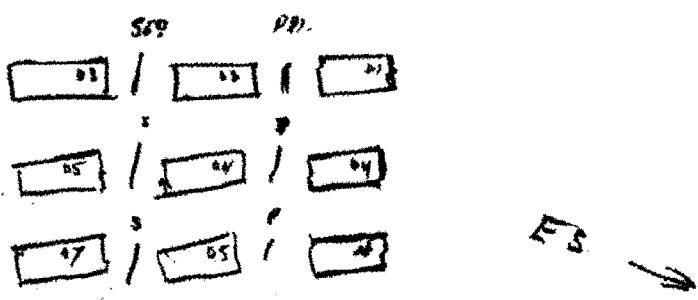
COUNTRY	STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME								
		5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours	
TRINIDAD	PIARCO AIRPORT	.24	.39	.47	.59	.82	1.01	1.50	1.50	
TOBAGO	ST AUGUSTINE UWI	.17	.18	.19	.37	.39	.61	.61	.61	
BARBADOS	CROWN POINT AIRPORT	.21	.39	.47	.50	.59	.80	1.23	1.29	
GUYANA	HUSBANDS CMI	.09	.10	.10	.14	.16	.19	.25	.26	
	GEORGETOWN BOT GDN	.52	.52	.60	.78	1.12	1.68	2.06	2.91	
	NEW AMSTERDAM	.79	.79	.80	.80	1.00	1.06	1.50	2.04	

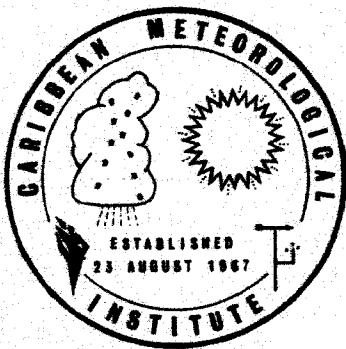
TABLE V - SUMMARY OF WIND SPEED RECORDS - JANUARY 1970

COUNTRY	STATION	HIGHEST HOURLY WIND				HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED	
		DIM	SPEED	HOUR END	DATE	DIM	SPEED	TIME LST	DATE	38	47	63	
TRINIDAD	PIARCO AIRPORT	10	17	10	19	09	30	1245	9	0	0	0	6.0
TOBAGO	CROWN POINT AIRPORT	11	17	15	18	11	20	1130	18	0	0	0	7.2
ANTIGUA	COOLIDGE AIRPORT	10	20	10	3	09	31	0530	30	0	0	0	11.4
GUYANA	GEORGETOWN BOT GDN	05	14	16	25	06	31	1400	7	0	0	0	6.8

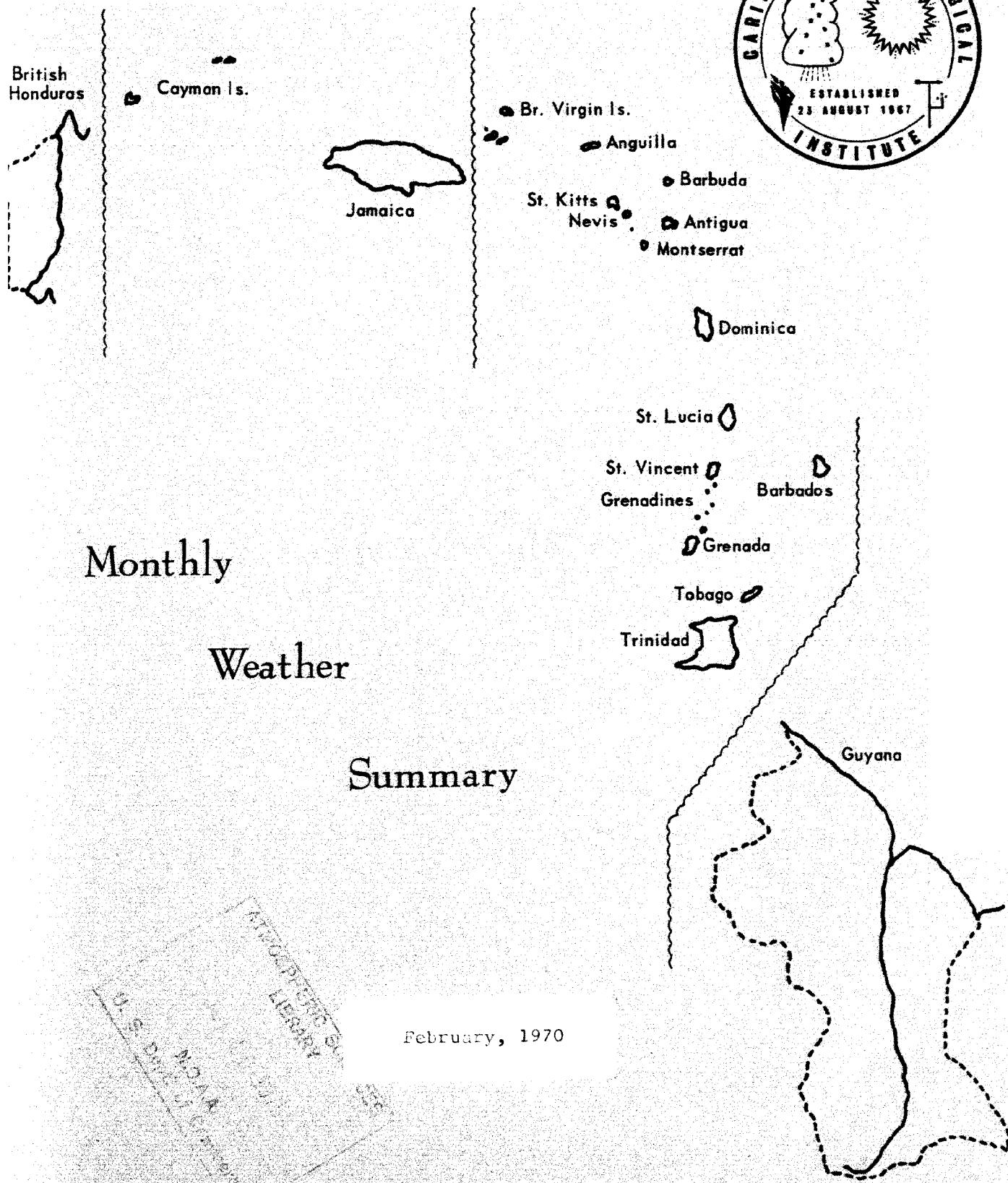
TABLE VI - SUMMARY OF SUNSHINE RECORDS - JANUARY 1970

COUNTRY	STATION	MEAN IRRADIATION (hundredths of an hour)												TOTAL EMISSION IN A DAY (hours)	MOST EMISSION IN A DAY 01-02	NOM WITHIN THE DAYS WITH AMOUNTS (hours)							
		0	1	2	3	4	5	6	7	8	9	10	11										
TRINIDAD	PIARCO AIRPORT	0	1	65	76	76	76	81	77	78	85	81	76	22	0	250.1	70	10.8	21	0	3	9	16
TOBAGO	CROWN POINT AIRPORT	0	15	74	84	89	84	85	81	86	78	73	71	29	0	262.9	73	10.9	23	0	1	5	17
BARBADOS	HUSBANDS CHM	0	18	68	84	92	85	95	96	97	93	87	73	21	0	281.9	80	10.6	2	0	0	10	20
	SEAWELL AIRPORT	0	5	67	83	85	86	91	94	96	93	90	81	20	0	275.9	78	10.4	9	0	0	2	15
DOMINICA	MELVILLE HALL APT	0	0	52	70	66	62	61	65	71	69	58	45	1	0	192.3	55	9.6	16	0	3	8	16
GUYANA	GEORGETOWN BOT GDN	0	2	47	59	69	62	61	56	62	66	64	57	16	0	189.3	52	10.2	13	-1	8	5	9
	WAHACONY ABARY RDS	0	13	47	58	65	66	71	72	70	67	55	57	16	0	182.9	57	10.7	27	0	4	6	11
	BAZARUM PRISON	0	1	26	43	47	45	50	37	34	36	38	28	0	0	119.8	33	9.5	26	3	1	9	16
	NON REPOS	0	1	46	59	57	65	59	53	63	61	62	57	17	0	189.6	52	10.9	30	1	1	8	0
	TIMEHRI CHS	0	2	38	46	40	46	47	47	45	46	37	35	7	0	134.9	37	9.6	31	1	13	5	9
	WAUNA	0	19	63	75	73	66	68	72	65	69	67	53	13	0	218.3	60	10.6	20	0	4	6	13





ESTABLISHED
23 AUGUST 1967



Monthly Weather

Summary

MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

February, 1970

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LIST OF STATIONS

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		° N	° W	ft.										
<u>Trinidad</u>	Centeno.	10 35	61 20	50	x	x	x	x	x	x	x	x	x	x
	Penal Agr. Stn.	10 10	61 28	25	x	x	x	x	x	x	x	x	x	x
	Piarco Airport.	10 35	61 21	41	x	x	x	x	x	x	x	x	x	x
	St. Augustine, U.W.I.	10 38	61 24	52	x	x	x	x	x	x	x	x	x	x
<u>Tobago</u>	Crown Point Airport.	11 09	60 50	9	x	x	x	x	x	x	x	x	x	x
	Louis d 'Or.	11 15	60 34	40	x	x	x	x	x	x	x	x	x	
<u>Grenada</u>	Mirabeau.	12 08	61 49	450	x	x	x	x	x	x	x	x	x	x
	Mt. Horne.	12 09	61 39	500	x	x	x	x	x	x	x	x	x	
	Pearls Airport.	12 09	61 37	22	x	x	x	x	x	x	x	x	x	
<u>Barbados</u>	Husbands, CMI.	13 08	59 37	370	x	x	x	x	x	x	x	x	x	x
	Seawell Airport.	13 04	59 29	183	x	x	x	x	x	x	x	x	x	x
<u>St. Vincent</u>	Arnos Vale Airport.	13 09	61 13	30	x	x	x	x	x	x	x	x	x	x
	Camden Park.	13 10	61 15	15	x	x	x	x	x	x	x	x	x	x
<u>St. Lucia</u>	Beausejour Agr. Stn.	13 45	60 57	75	x	x	x	x	x	x	x	x	x	x
	Roseau, Winban.	13 56	61 02		x	x	x	x	x	x	x	x	x	x
	Vigie Airport.	14 01	61 00	7	x	x	x	x	x	x	x	x	x	

/ct'd.....

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT. ft.	Synop. Obs.	MEASUREMENTS TAKEN								
						Temp.	Humidity	Wind sp.& dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
<u>Dominica</u>	Melville Hall Airport.	15 33	61 18	43	x	x	x	x		x			x	
	Roseau Cent. Livestock Farm.	15 18	61 23	220		x	x		x	x	x	x	x	x
<u>Montserrat</u>	Grove.	16 43	62 13	150		x	x			x				
<u>Antigua</u>	Antigua Sugar Factory.	17 07	61 48	25		x	x		x	x	x	x		x
	Coolidge Air- port.	17 08	61 47	26	x	x	x	x		x				
	Dunbars	17 09	61 50	220		x	x			x				
<u>St. Kitts & Nevis</u>	La Guerite	17 18	62 44	160		x	x		x	x	x	x		
<u>Br. Virgin Is.</u>	Beef Is. Air- port.	18 26	64 32	25	x	x	x			x				
	Paraquito Bay.	18 25	64 35	50		x	x		x	x			x	
<u>Jamaica</u>	Bernard Lodge.	17 58	76 56	55						x	x			
	Bodles.	17 55	77 08	60						x	x			x
	Cedar Valley.	17 59	76 35	1980		x	x		x	x				
	Chapelton, Clarendon Coll.	18 05	77 17	650		x	x			x				

/ct'd.....

JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT. ° N	LONG. ° W	ALT. ft.	Synop Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	RainFall	RainFall intens.	Evap.	Soil temp.	Sunshine
<u>Jamaica</u>	Cinchona Hill Gdns.	18 04	76 39	4895	x x					x				
	Dallas.	17 59	76 42	950	x x					x				
	Duckenfield.	17 55	76 15	60	x x					x				
	East Albion Nursery.	17 53	76 35	90	x x					x				
	Empire Nursery.	18 02	76 39	2130	x x					x				
	Farm Hill.	18 03	76 38	4020	x x			x	x	x	x	x		
	Frome.	18 18	78 09	90	x x					x				
	Grove Place.	18 07	77 31	1600	x x			x	x	x	x	x	x	
	Halls Delight.	18 03	76 40	3020	x x			x	x	x	x	x		
	Hope Gdns.	18 01	76 45	710	x x					x				
	Irwin.	18 27	77 53	80	x x					x				
	James Hill.	18 10	77 20	2000	x x					x				
	Kingston, St. Georges Coll.	17 59	76 47	90	x x					x				
	Marshalls Pen.	18 03	77 32	2300	x x	x				x				
	Mason River Field.	18 11	77 16	2300	x x					x				
	Montego Bay Airport.	18 30	77 55	5	x x x	x	x	x	x	x	x	x	x	
	Monymusk.	17 48	77 16	30	x x					x				
	Morant Point L.H.	17 55	76 11	5	x x x	x	x	x	x	x				

/ct'd.....

JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp.& dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		o 'N	o 'W	ft.										
<u>Jamaica</u>	Negril Point L.H.	18 15	78 22	25	x	x	x			x				
	Orange River.	18 15	76 53	950		x	x		x	x	x	x		x
	Palisadoes Airport.	17 56	76 47	10	x	x	x	x	x	x	x	x		x
	Pembroke Hall.	18 18	76 59	700		x	x			x				
	Richmond Est.	18 27	77 15	120		x	x			x				
	Smithfield.	18 24	78 06	925		x	x		x	x	x	x	x	x
	Spanish Town.	18 00	76 56	70		x	x			x				
	Top Mountain.	18 05	76 40	3550						x	x			
<u>Cayman Is.</u>	Worthy Park.	18 08	77 09	1250		x	x			x				x
	Grand Cayman Airport.	19 17	81 22	20	x	x	x	x		x				
<u>Br. Honduras</u>	Belize Airport.	17 32	88 18	17	x	x	x	x		x				x
<u>Guyana</u>	Bartica Potaro Road.	05 37	58 53	400		x	x			x				
	Ebini.	05 34	57 47	60		x	x			x	x			x
	Georgetown Bot. Gdn.	06 48	58 09	5	x	x	x	x	x	x	x	x	x	x
	Hosororo.	08 10	59 48	300		x	x			x				
	Mabaruma	08 12	59 47	185	x	x	x	x		x				

/ct'd.....

GUYANA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine	
					o 'N	o 'W	ft.	x	x	x	x	x	x	x	x
<u>Guyana</u>	Mahaicony	06 28	57 46	5		x	x			x	x			x	
	Abari R.D.S.					x	x			x	x				
	Matthews Ridge.	07 31	60 10	350		x	x			x	x				
	Mazaruni Prison.	06 24	58 39	45		x	x			x	x			x	
	Mon Repos.	06 47	58 03	10		x	x			x	x			x	
	New Amsterdam.	06 15	57 31	5		x	x			x	x				
	Port Kaituma.	07 44	59 33	100		x	x	x	x	x	x				
	Timehri Air-port.	06 30	58 15	95	x	x	x	x	x	x	x	x	x	x	x
	Timehri Cent. Hort. Stn.	06 31	58 16	95		x	x			x	x	x	x	x	x
	Wauna.	08 09	59 51	100		x	x			x	x	x	x	x	x

NOTES ON THE OBSERVATIONS AND SUMMARIES

GENERAL

1. The station list includes some stations that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a listed station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time.
2. At synoptic stations, station elevation refers to the height of the barometer cistern above mean sea level; at other stations, it refers to the height above mean sea level of the ground on which the raingauge stands.
3. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
4. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.
5. Local Standard Time (LST) in British Honduras is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".
6. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to British Honduras, and concluding with Guyana.
7. A blank space indicates that data are not available, or were considered unreliable.

TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12 and 18h GMT). At other stations they are the one or two hours at which observations are made each day.

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II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5) mostly cloudy (6, 7) or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

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III

2. The rainfall data are from the standard raingauges at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred, and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean wind-speed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and are entered to the previous day. Hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly wind-speeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V.

3. Evaporation is usually measured using a Class A pan, a metal container 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the

/ct'd.....

IV

month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day.

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

/ct'd.....

V

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than ± 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

JM/jb

C.M.I.

January, 1970.

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1970

COUNTRY	STATION	MEAN TEMPERATURE AND HUMIDITY				PRESSURE REL. TO MSL	MEAN WIND SPEED KTS.	TOTAL CLOUD HEIGHT (eighths)		VISIBILITY (no. of observations) (feet)	
		ASOS HGT MSL ft.	HGT LST ft.	DRY BULB deg.	WET BULB deg.			MEAN ANT. 0	MEAN ANT. 1/2	MEAN ANT. 5/8	MEAN ANT. 8/9
TRINIDAD	PIARCQ AIRPORT	41	02	72.2	70.7	25.0	93	1012.6	0.2	3.1	1 16 3 7 1 0 0 0 0 0 0 0
		05	74.7	72.3	25.9	68	1013.8	1.5	4.6	0 9 9 10 0 0 0 0 0 0 0 0	
		14	84.2	74.7	25.0	62	1012.1	9.9	5.4	0 3 9 14 2 0 0 0 0 0 0 0	
		20	76.0	72.8	26.1	65	1012.5	1.2	5.5	0 16 2 8 2 0 0 0 0 0 0 0	
		52	16	82.7	73.9	24.7	65	1011.4	2.2	5.5	0 1 13 10 4 0 0 0 0 0 0 0
ST AUGUSTINE UNI	CROWN POINT AIRPORT	9	02	74.3	71.5	25.0	86	1012.6	2.0	4.5	0 7 10 10 0 0 0 0 0 0 0 0
		08	77.9	73.5	26.0	80	1014.1	6.2	4.8	0 9 16 16 0 0 0 0 0 0 0 0	
		14	82.5	74.8	26.1	69	1012.6	10.4	4.1	0 11 7 10 0 0 0 0 0 0 0 0	
TOBAGO	MOUNT HORNE	500	08	72.7	69.1	24.6	90	1013.1	3.7	5.8	0 11 6 10 0 0 0 0 0 0 0 0
		16	81.5	71.8	22.4	61	1013.2	11.2	4.6	0 13 19 10 0 0 0 0 0 0 0 0	
SENAJELL AIRPORT	HUSBANDS CMI	570	08	76.6	71.4	22.8	76	1015.2	5.0	3.8	0 10 11 7 0 0 0 0 0 0 0 0
		183	02	74.0	71.5	24.1	84	1013.4	7.8	3.4	1 9 12 5 1 0 0 0 0 0 0 0
BARBADOS	SEAWELL AIRPORT	14	82.5	72.1	25.3	84	1014.8	9.7	3.7	0 9 11 8 0 0 0 0 0 0 0 0	
		14	82.3	73.9	24.5	65	1013.2	11.6	4.0	0 7 13 8 0 0 0 0 0 0 0 0	
		14	82.3	73.9	24.5	65	1013.2	11.6	4.0	0 7 13 8 0 0 0 0 0 0 0 0	
		183	20	75.0	71.2	24.7	63	1015.2	5.0	3.8	0 10 11 7 0 0 0 0 0 0 0 0
		187	08	77.6	72.4	25.0	77	1013.9	8.5	3.7	0 11 10 6 1 0 0 0 0 0 0 0
ST LUCIA	BELVILLE HALL APT	14	82.5	73.7	24.6	65	1015.6	11.2	4.1	0 5 18 4 0 0 0 0 0 0 0 0	
		14	81.6	72.7	23.5	64	1015.6	9.4	4.7	0 5 13 9 2 0 0 0 0 0 0 0	
DOMINICA	COOLIDGE AIRPORT	43	14	82.5	72.7	23.5	76	1016.4	11.0	5.9	0 10 11 7 0 0 0 0 0 0 0 0
		26	08	76.5	71.0	23.5	76	1016.4	11.0	5.9	0 10 11 7 0 0 0 0 0 0 0 0
ANTIGUA	COOLIDGE AIRPORT	26	14	82.1	72.3	22.7	61	1015.2	12.9	3.7	0 11 10 7 0 0 0 0 0 0 0 0
		220	20	76.4	70.6	23.2	75	1015.9	11.0	3.5	0 12 9 7 0 0 0 0 0 0 0 0
ANTIGUA	DUNBARS	220	09	78.7	71.2	23.0	69	1015.9	11.0	3.5	0 12 9 7 0 0 0 0 0 0 0 0
		15	80.8	71.9	22.7	63	1015.9	11.0	3.5	0 12 9 7 0 0 0 0 0 0 0 0	
JAMAICA	BOOBLES	60	07	70.2	68.8	23.7	94	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		60	13	84.1	78.9	31.7	79	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
JAMAICA	CEDAR VALLEY	1980	07	66.0	63.7	19.2	88	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		15	78.4	69.4	20.6	62	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	CINCNOMA GARDENS	4897	07	59.3	56.2	14.5	67	1015.9	11.0	3.5	0 12 9 7 0 0 0 0 0 0 0 0
		16	61.0	59.0	16.1	88	1015.9	11.0	3.5	0 12 9 7 0 0 0 0 0 0 0 0	
JAMAICA	DALLAS	950	09	73.7	70.2	23.6	83	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		15	80.7	73.3	24.8	69	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	DUCKENFIELD FARM HILL	60	08	76.5	70.6	25.6	83	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		90	07	73.6	68.0	21.0	74	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
JAMAICA	EAST ALBION NURSERY	90	07	73.6	68.0	21.0	74	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		90	09	74.1	66.5	20.0	75	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
JAMAICA	HALLS DELIGHT	9620	07	65.1	60.4	15.8	75	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		13	70.6	65.0	18.5	72	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	HOPE GARDENS	712	07	64.1	61.7	17.6	81	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		80	08	73.0	70.5	24.5	86	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
JAMAICA	IRVIN	1150	07	64.1	61.7	17.6	81	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		4020	07	60.7	56.6	13.9	77	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
JAMAICA	JAMES HILL	2000	09	71.1	66.1	22.3	86	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		15	74.1	70.0	23.0	80	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	KINGSTON ST GEO COLL	90	07	72.1	69.0	22.8	84	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		13	84.4	75.0	24.5	86	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	MARSHALLS PEN	2900	07	63.5	62.0	18.4	92	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0
		13	77.2	68.2	18.6	92	1015.2	1.7	3.1	0 10 11 7 0 0 0 0 0 0 0 0	
JAMAICA	ST GEORGE'S	644	3-4	2-12	5	9	0	0	0	0	0
		49.9	5.0	0	1	14	13	0	0	0	0

TABLE I - SUMMARY OF OBSERVATIONS AT PLACED STATIONS

(CONTINUED)

COUNTRY	STATION	HEIGHT ABOVE MSL ft.	FCST LST	HOURLY TEMPERATURE AND HUMIDITY				MEAN PRESSURE TO MSL kt.	MEAN WIND SPEED KT	TOTAL CLOUD AMOUNT (eighths)		VISIBILITY (Miles)		
				TEMP deg.	HGT deg.	REL RH%	REL SHD%			NUMBER OF OBSERVATIONS	MEAN RH	NUMBER OF OBSERVATIONS	MEAN RH	
JAMAICA	MASON RIVER FIELD	2300	07	62.8	62.4	19.1	96			0	1.2	3-5	6-7	
JAMAICA	MASON RIVER FIELD	2300	13	74.7	68.9	21.6	74			1	0	0	0	
JAMAICA	MONTESO BAY AIRPORT	3	01	74.4	71.0	24.4	84	1015.4	4.0	2-6	1	0	0	
JAMAICA	MONTESO BAY AIRPORT	3	07	73.0	68.6	25.3	88	1015.6	6.4	4-4	0	9	8	
JAMAICA	MONTESO BAY AIRPORT	13	00	73.3	74.6	27.2	77	1015.6	12.6	3-6	0	15	7	
JAMAICA	MORANT POINT LH	4	01	77.4	73.6	26.7	83			9-8	5-9	2	10	
JAMAICA	MORANT POINT LH	4	07	77.5	73.3	26.4	82			9-9	5-0	0	21	
JAMAICA	MORANT POINT LH	15	01	72	76.0	26.3	78			9-6	4-5	0	11	
JAMAICA	MORANT POINT LH	19	76.1	74.5	27.2	83			10.0	4-9	1	9	4	
JAMAICA	NEGRIL POINT LH	27	07	82.1	70.3	24.4	65	1016.6	5-9	3-7	2	8	7	
JAMAICA	NEGRIL POINT LH	13	02	82.1	72.0	23.7	65	1015.7	6-6	4-0	0	14	5	
JAMAICA	PALISADES AIRPORT	9	01	74.7	68.4	21.8	80	1015.2	4-0	4-1	1	14	5	
JAMAICA	PALISADES AIRPORT	9	07	75.9	71.0	23.8	78	1014.6	3-5	2-0	1	21	4	
JAMAICA	PALISADES AIRPORT	17	01	75.9	71.0	23.8	78	1015.0	3-4	3-4	0	15	3	
JAMAICA	PALISADES AIRPORT	9	13	84.9	75.7	23.5	57	1015.2	6-8	4-0	0	9	9	
JAMAICA	RICHMOND	12.5	08	74.7	72.0	23.5	68	1014.0	8.1	2-7	0	12	8	
JAMAICA	SOUTHFIELD	92.5	08	71.7	69.6	22.5	77	1014.6	3-5	2-0	1	24	6	
JAMAICA	SELIFIE AIRPORT	17	05	66.2	69.2	21.0	95	1017.4	1-5	4-4	0	7	6	
JAMAICA	SELIFIE AIRPORT	17	12	77.6	70.8	22.9	71	1018.1	5-4	5-5	0	4	7	
JAMAICA	BELIZE AIRPORT	18	13	75.9	69.5	22.6	79	1016.3	5-2	4-6	0	8	7	
JAMAICA	BARTICA POTATO RD	400	08	76.4	74.3	28.1	92			5	0	0	0	
GUYANA	GEORGETOWN BOT GDN	7	08	79.9	75.2	27.8	80	1013.1	5-6	5-3	0	4	9	
GUYANA	GEORGETOWN BOT GDN	7	14	82.9	76.4	28.2	73	1011.4	8.0	5-4	0	2	10	
GUYANA	KOSOROKO	05	75.5	73.6	27.5	92			10	15	1	0	0	
GUYANA	MAHALCONY ABARY RD	6	08	79.1	74.9	27.9	73			0	0	0	0	
GUYANA	MAHALCONY ABARY RD	14	83.1	76.9	28.9	75			14	15	1	0	0	
GUYANA	MATTHIAS RIDGE	08	75.0	74.1	27.9	91			0	0	0	0	0	
GUYANA	NAZARUNI PRISON	47	05	76.7	75.9	27.4	87			2-2	5-4	0	2	1
GUYANA	NEW AMSTERDAM	1.0	04	9	76.3	27.5	69			1-1	2-1	0	0	0
GUYANA	PORT KAITUMA	03	79.4	74.5	27.0	78			0	0	0	0	0	
GUYANA	NON REPOS	14	85.0	76.4	28.1	73			0	0	0	0	0	
GUYANA	TIMEHRI AIRPORT	95	02	75.3	72.8	27.5	97	1011.5	0-0	5-1	0	6	4	
GUYANA	TIMEHRI AIRPORT	05	75.7	75.7	28.1	73			0	12	7	2	1	
GUYANA	TIMEHRI CHS	14	84.0	76.5	27.8	70	1010.9	11-6	6-8	0	0	23	2	
GUYANA	TIMEHRI CHS	20	75.7	74.1	28.0	92	1011.2	1-5	5-3	1	4	15	0	
GUYANA	WAUNA	04	76.3	74.3	28.1	91			0	0	0	0	0	
GUYANA	WAUNA	14	82.5	76.0	27.7	73			0	0	0	0	0	

TABLE II - SUMMARY OF DAILY OBSERVATIONS - FEBRUARY 1970

COUNTRY	STATION	RAINFALL (Inches)		AIR TEMPERATURE °F				MEAN TEMPERATURE MAX. MIN. A B C (A+B) MAX. MIN.	TOTAL RAINFALL IN A DAY	NUMBER OF DAYS WITH RAINFALL MORE THAN .04 INCHES	NO. OF DAYS WITH RAINFALL MORE THAN .01 INCHES		
		TOTAL AMOUNT	MOST IN A DAY	DATE WITH MORE THAN .04 INCHES	MEAN TEMPERATURE MAX. MIN. A B C (A+B) MAX. MIN.								
TRINIDAD	PIARCO AIRPORT	2.55	.70	9	2	86.0	76.1	72.8	89.64	66.6	206.8	0	
	ST AUGUSTINE UWI	2.21	.69	18	7	86.0	69.5	77.8	88.65	68.5	0	0	
GRENADA	MIRBEAU	2.98	.47	16	12	2	81.6	69.9	75.7	83.65	176.1	0	
	MOUNT HORNE	2.79	.85	8	1	0	84.1	70.8	77.5	87.64	220.0	0	
BARBADOS	HUSBANDS CH1	1.44	.29	16	9	0	84.1	70.8	77.5	87.64	220.0	0	
BARBADOS	SEAWELL AIRPORT	1.79	.42	16	9	2	85.9	71.3	77.6	86.64	67.7	246.4	
SAINT LUCIA	VISIE AIRPORT	1.65	.59	28	10	1	84.7	70.9	77.8	87.64	0	0	
DOMINICA	WELVILLE HALL APT	1.61	.15	3	7	0	82.3	70.5	76.4	84.62	211.6	0	
ANTIGUA	COOLBIDGE AIRPORT	1.00	.19	19	10	0	85.1	72.3	77.6	84.65	0	0	
	DUNBARS											0	
JAMAICA	BERNARD LODGE	.21	.15	25	2	0	87.2	66.1	76.7	90.63	239.8	0	
	BODLES	.31	.22	27	3	0	86.1	61.8	74.0	89.55	0	0	
	CEDAR VALLEY	.46	.14	2	4	0	80.3	59.8	70.1	85.56	0	0	
	CINCHONA GARDENS	4.77	1.94	22	8	4	68.7	45.1	56.9	75.41	0	0	
	DALLAS	.96	.60	24	5	1	83.0	50.9	67.0	88.47	0	0	
JAMAICA	BUCKENFIELD	1.10	.52	4	4	1	82.9	71.5	77.1	86.62	66.6	179.6	
	EAST ALBION NURSERY	4.29	3.90	25	5	1	86.7	61.9	75.3	90.59	0	0	
	EMPIRE NURSERY	.17	.12	22	1	0	79.6	60.1	69.9	82.57	0	0	
	FARM HILL	3.13	2.14	22	7	1	72.2	58.9	64.5	75.55	0	0	
	HALLS DELIGHT	.75	.43	22	4	1	75.8	60.8	69.9	83.57	0	0	
JAMAICA	HOPE GARDENS	.16	.08	4	2	0	86.7	56.9	71.6	91.53	0	0	
	IRVIN	.37	.73	27	11	4	81.3	65.6	73.6	89.57	0	0	
	JAMES HILL	.81	.41	15	4	1	77.8	0	84	0	0	0	
	KINGSTON ST. GEORGES	.84	.70	4	3	1	86.3	71.2	78.7	91.67	0	0	
	MARSHALLS PEN	.65	.35	11	5	0	79.3	61.8	70.4	84.53	0	0	
JAMAICA	MASON RIVER FIELD	2.50	2.05	14	4	1	80.9	56.9	71.6	91.53	0	0	
	MONTEGO BAY AIRPORT	3.25	1.61	12	6	2	81.9	70.0	75.9	89.65	194.1	0	
	WORRALL POINT LH	2.24	1.57	3	3	1	80.4	70.5	75.5	87.64	0	0	
	NEGRIL POINT LH	.91	.39	3	4	0	85.2	69.8	77.5	93.63	0	0	
	PALISADES AIRPORT	.92	.87	4	1	0	86.5	73.1	79.8	89.70	219.1	0	
JAMAICA	RICHMOND SWITHFIELD	4.15	1.15	12	11	4	80.9	56.7	74.6	94.64	0	0	
	BELIZE AIRPORT	4.75	1.17	3	11	5	2	79.3	65.7	73.0	83.61	201.5	0
SR HONDURAS	BARTICA POTATO RD	1.45	.97	24	11	0	80.5	65.3	72.9	86.6	158.5	0	
GUYANA	SEGRETOON BOT GDN	5.40	.95	17	16	0	89.1	71.0	80.1	93.68	0	0	
		5.81	1.13	20	11	2	83.7	75.8	79.8	85.72	71.5	203.4	
												0	
GUYANA	HOBOGORO HOBO	4.54	.83	4	20	4	86.4	70.8	78.6	89.60	0	0	
	WAHAICONY ABARY RD3	3.54	1.68	5	23	6	84.6	75.0	79.8	88.72	207.6	0	
	MATTHEWS RIDGE	6.54	.86	7	23	6	87.0	71.3	79.1	90.59	0	0	
	WAZARUNI PRISON	5.29	1.50	9	12	7	86.2	72.0	79.1	89.69	4.7	0	
	WON REPOS	2.71	.94	6	11	2	84.5	75.5	80.0	85.73	204.7	0	
GUYANA	NEW AMSTERDAM	3.54	1.95	5	15	3	86.2	74.2	80.2	89.71	0	0	
	PORT KAITUMA	5.59	1.35	9	14	5	87.6	68.3	78.0	90.66	0	0	
	TIMEHRI AIRPORT	2.56	.60	20	11	2	87.0	69.8	78.6	90.68	0	0	
	TIMEHRI CH3	2.15	.40	4	10	1	86.3	65.0	77.7	83.66	125.2	0	
	NAUNA	5.24	1.87	4	16	3	85.6	69.3	77.4	88.66	1CB.3	0	

TABLE III - SUMMARY OF AGROMETEOROGLICAL OBSERVATIONS - FEBRUARY 1970

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - FEBRUARY 1970

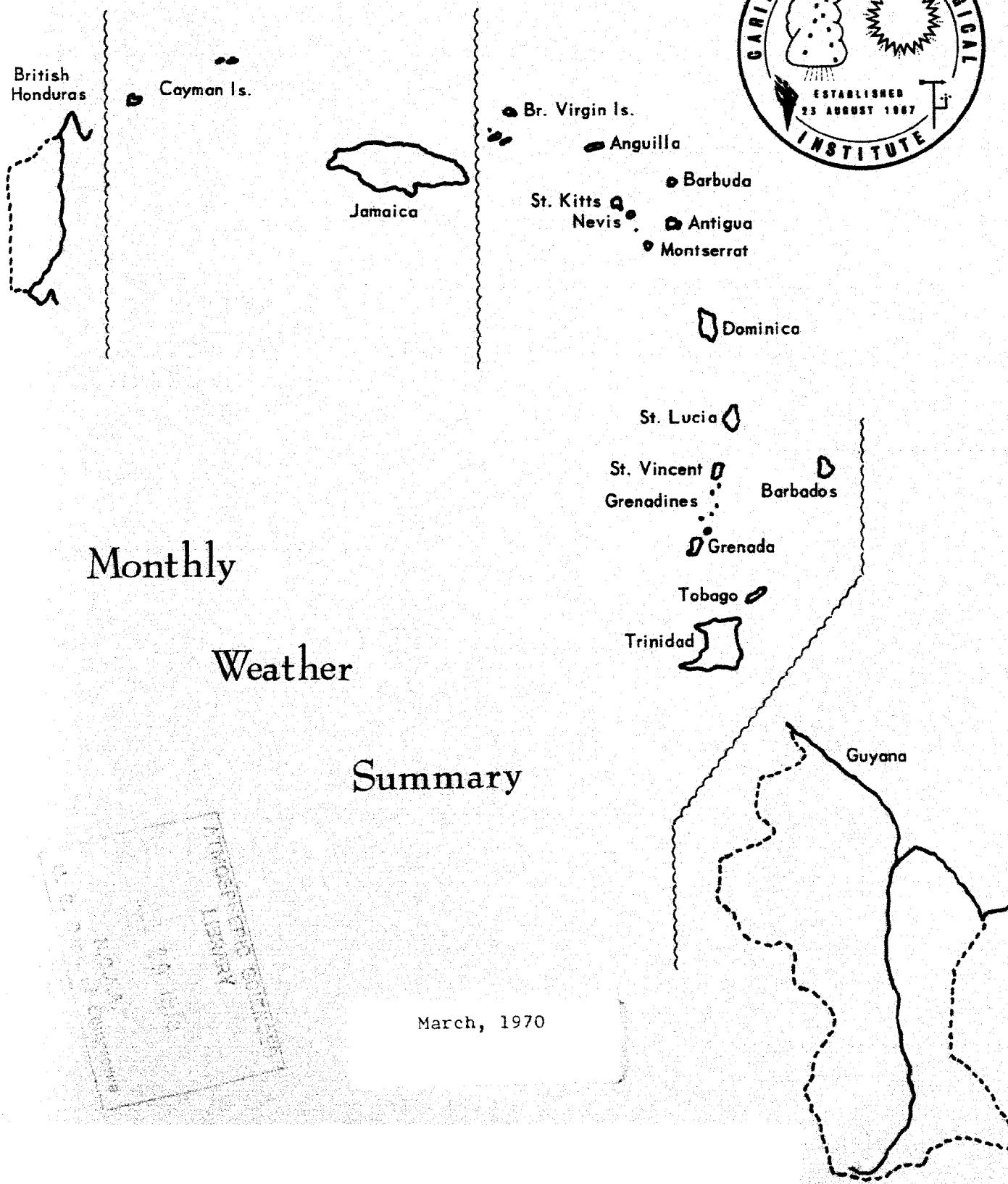
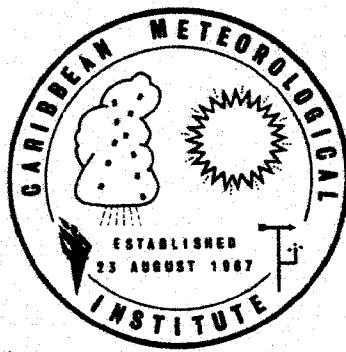
COUNTRY	STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME								
		5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours	
TRINIDAD	PIARCO AIRPORT	.21	.28	.41	.43	.43	.43	.57	.61	
	ST AUGUSTINE UWI	.	.12	.14	.21	.29	.40	.78	.82	
TOBAGO	CROWN POINT AIRPORT	.11	.21	.26	.30	.30	.31	.39	.42	
BARBADOS	HUSBANDS CMI	.08	.09	.09	.10	.11	.12	.17	.29	
GUYANA	GEORGETOWN BOT GDN	.22	.36	.48	.63	.75	.75	.75	1.00	
	NEW AMSTERDAM	.12	.20	.24	.34	.52	.90	1.00	1.00	

TABLE V - SUMMARY OF WINDSPED RECORDS - FEBRUARY 1970

COUNTRY	STATION	HIGHEST HOURLY WIND				HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED			
		DISH	SPED	HOUR	ENDED	LATE	HIGH	SPEED	TIME	EST	DATE	35	47	63	
TRINIDAD	PIARCO AIRPORT	09	16	16	2	09	29	1125	13			5+1			
TOBAGO	CROWN POINT AIRPORT	11	17	10	8	11	29	0915	8			6+1			
ANTIGUA	CORRIDGE AIRPORT	09	19	22	3	11	30	0120	4			11+4			
JAMAICA	MONTEGO BAY	36	19	07	4	36	27	0640	4	0	0	0	5+3		
GUYANA	PALISADES APT	32	22	11	4	32	32	1050	4	0	0	0			
	GEORGETOWN BOT GDN	04	15	14	24	04	27	1240	24			7+8			

TABLE VI - SUMMARY OF SUNSHINE RECORDS - FEBRUARY 1970

COUNTRY	STATION	MEAN DURATION (in hundreds of an hour)												PERCENT OF DAYS WITH ARRIVALS					
		ARRIVING SPECIFIED HOURS (Local Apparent Time)												WITHIN ONE HOURS (hours)					
		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	



MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

March, 1970

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LIST OF STATIONS

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	'Synop. Obs.'	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		° N	° W	ft.										
<u>Trinidad</u>	Centeno.	10 35	61 20	50	x	x	x	x	x	x	x	x	x	x
	Penal Agr. Stn.	10 10	61 28	25	x	x	x	x	x	x	x	x	x	x
	Piarco Airport.	10 35	61 21	41	x	x	x	x	x	x	x	x	x	x
	St. Augustine, U.W.I.	10 38	61 24	52	x	x	x	x	x	x	x	x	x	x
<u>Tobago</u>	Crown Point Airport.	11 09	60 50	9	x	x	x	x	x	x	x	x	x	x
	Louis d 'Or.	11 15	60 34	40	x	x	x	x	x	x	x	x	x	x
<u>Grenada</u>	Mirabeau.	12 08	61 49	450	x	x	x	x	x	x	x	x	x	x
	Mt. Horne.	12 09	61 39	500	x	x	x	x	x	x	x	x	x	x
	Pearls Airport.	12 09	61 37	22	x	x	x	x	x	x	x	x	x	x
<u>Barbados</u>	Husbands, CMI.	13 08	59 37	370	x	x	x	x	x	x	x	x	x	x
	Seawell Airport.	13 04	59 29	183	x	x	x	x	x	x	x	x	x	x
<u>St. Vincent</u>	Arnos Vale Airport.	13 09	61 13	30	x	x	x	x	x	x	x	x	x	x
	Camden Park.	13 10	61 15	15	x	x	x	x	x	x	x	x	x	x
<u>St. Lucia</u>	Beausejour Agr. Stn.	13 45	60 57	75	x	x	x	x	x	x	x	x	x	x
	Roseau, Winban.	13 56	61 02		x	x	x	x	x	x	x	x	x	x
	Vigie Airport.	14 01	61 00	7	x	x	x	x	x	x	x	x	x	x

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MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.		Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage			Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
										o 'N	o 'W	ft.					
<u>Dominica</u>	Melville Hall Airport.	15 33	61 18	43	x	x	x	x	x				x	x	x	x	x
	Roseau Cent. Livestock Farm.	15 18	61 23	220		x	x	x	x	x	x	x	x	x	x	x	x
<u>Montserrat</u>	Grove.	16 43	62 13	150		x	x	x	x	x	x	x	x	x	x	x	x
<u>Antigua</u>	Antigua Sugar Factory.	17 07	61 48	25		x	x	x	x	x	x	x	x	x	x	x	x
	Coolidge Air- port.	17 08	61 47	26	x	x	x	x	x	x	x	x	x	x	x	x	x
	Dunbars	17 09	61 50	220		x	x	x	x	x	x	x	x	x	x	x	x
<u>St. Kitts & Nevis</u>	La Guerite	17 18	62 44	160		x	x	x	x	x	x	x	x	x	x	x	x
<u>Br. Virgin Is.</u>	Beef Is. Air- port.	18 26	64 32	25	x	x	x	x	x	x	x	x	x	x	x	x	x
	Paraquito Bay.	18 25	64 35	50		x	x	x	x	x	x	x	x	x	x	x	x
<u>Jamaica</u>	Bernard Lodge.	17 58	76 56	55		x	x	x	x	x	x	x	x	x	x	x	x
	Bodles.	17 55	77 08	60						x	x	x	x	x	x	x	x
	Cedar Valley.	17 59	76 35	1980		x	x	x	x	x	x	x	x	x	x	x	x
	Chapelton, Clarendon Coll.	18 05	77 17	650		x	x	x	x	x	x	x	x	x	x	x	x

/ct'd.....

JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT. o 'N	LONG. o 'W	ALT. ft.	Synop Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
<u>Jamaica</u>	Cinchona Hill Gdns.	18 04	76 39	4895	x	x				x				
	Dallas.	17 59	76 42	950	x	x				x				
	Duckenfield.	17 55	76 15	60	x	x				x				
	East Albion Nursery.	17 53	76 35	90	x	x				x				
	Empire Nursery.	18 02	76 39	2130	x	x				x				
	Farm Hill.	18 03	76 38	4020	x	x			x	x		x		
	Frome.	18 18	78 09	90	x	x				x				
	Grove Place.	18 07	77 31	1600	x	x			x	x	x	x		x
	Halls Delight.	18 03	76 40	3020	x	x			x	x		x		
	Hope Gdns.	18 01	76 45	710	x	x				x				
	Irwin.	18 27	77 53	80	x	x				x				
	James Hill.	18 10	77 20	2000	x	x				x				
	Kingston, St. Georges Coll.	17 59	76 47	90	x	x				x				
	Marshalls Pen.	18 03	77 32	2300	x	x	x			x				
	Mason River Field.	18 11	77 16	2300	x	x				x				
	Montego Bay Airport.	18 30	77 55	5	x	x	x	x	x	x	x	x		x
	Monymusk.	17 48	77 16	30	x	x				x				
	Morant Point L.H.	17 55	76 11	5	x	x	x	x		x				

/ct'd.....

JAMAICA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT.	LONG.	ALT.	Synop. Obs.	Temp.	Humidity	Wind sp. & dir.	Daily wind mileage	Rainfall	Rainfall intens.	Evap.	Soil temp.	Sunshine
		° N	° W	ft.										
<u>Jamaica</u>	Negril Point L.H.	18 15	78 22	25	x	x	x			x				x
	Orange River.	18 15	76 53	950		x	x	x	x	x	x	x		x
	Palisadoes Airport.	17 56	76 47	10	x	x	x	x	x	x	x	x		x
	Pembroke Hall.	18 18	76 59	700		x	x			x				
	Richmond Est.	18 27	77 15	120		x	x			x				
	Smithfield.	18 24	78 06	925		x	x		x	x	x	x	x	x
	Spanish Town.	18 00	76 56	70		x	x			x				
	Top Mountain.	18 05	76 40	3550						x	x			
	Worthy Park.	18 08	77 09	1250		x	x			x				x
<u>Cayman Is.</u>	Grand Cayman Airport.	19 17	81 22	20	x	x	x	x		x				
<u>Br. Honduras</u>	Belize Airport.	17 32	88 18	17	x	x	x	x		x				x
<u>Guyana</u>	Bartica Potaro Road.	05 37	58 53	400		x	x			x				
	Ebini.	05 34	57 47	60		x	x			x	x			x
	Georgetown Bot. Gdn.	06 48	58 09	5	x	x	x	x	x	x	x	x	x	x
	Hosororo.	08 10	59 48	300		x	x			x				
	Mabaruma	08 12	59 47	185	x	x	x	x		x				

/ct'd.....

GUYANA STATIONS CONTD.

MEASUREMENTS TAKEN

COUNTRY	STATION	LAT. ° N	LONG. ° W	ALT. ft.	Synop. Obs.	MEASUREMENTS TAKEN						
						Temp.	Humidity	Wind sp. & dir.	Daily Wind mileage	Rainfall	Rainfall intens.	Evap.
Guyana	Mahaicony	06 28	57 46	5	x	x				x	x	x
	Abary R.D.S.				x	x				x	x	
	Matthews Ridge.	07 31	60 10	350	x	x				x	x	
	Mazaruni Prison.	06 24	58 39	45	x	x				x		x
	Mon Repos.	06 47	58 03	10	x	x				x		x
	New Amsterdam.	06 15	57 31	5	x	x				x	x	
	Port Kaituma.	07 44	59 33	100	x	x				x		
	Timehri Air- port.	06 30	58 15	95	x	x	x			x		
	Timehri Cent. Hort. Stn.	06 31	58 16	95	x	x		x	x	x	x	x
	Wauna.	08 09	59 51	100	x	x		x	x	x	x	x

LIST OF RAINGAUGE STATIONS

(*Denotes a recording raingauge at the station)

COUNTRY	STATION	LAT. ° N	LONG. ° W	ALT. ft.
<u>Trinidad</u>	Cocal Est.	10 26	61 02	5
	Green Hill, River Est.	10 44	61 33	120
	Guayguayare TLL.	10 08	61 04	25
	La Pastora.	10 44	61 28	300
	Matelot.	10 49	61 07	40
	Navet Damsite.	10 24	61 15	225
	Point Fortin Fil. Fl.	10 11	61 39	25
	Port of Spain, R. Bot. Gdns.	10 40	61 31	130
	Quare Dam, Hollis Res.	10 41	61 12	500
<u>Tobago</u>	Waterloo Est.	10 29	61 28	20
	Castara, Meth. Sch.	11 17	60 42	250
	Hillsborough Dam.	11 13	60 40	800
	Moriah, Pol. Stn.	11 14	60 43	750
	Plymouth, White Rock Est.	11 13	60 46	75
	Scarborough, Bot. Stn.	11 11	60 44	25
<u>Barbados</u>	Speyside	11 18	60 32	10
	Belle, St. M.	13 07	59 35	110
	Castle Grant, St. Jos.	13 11	59 33	1060
	Clifton Hall, St. J.	13 11	59 30	730
	Edgecumbe, St. P.	13 07	59 31	215
	*Haggatts, St. A.	13 14	59 34	75
	Holetown, St. Ja.	13 11	59 38	10
	*Lion Castle, St. T.	13 11	59 35	940
	River, St. P.	13 09	59 27	105

NOTES ON THE OBSERVATIONS AND SUMMARIES

GENERAL

1. The station list includes some stations that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a listed station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time.
2. At synoptic stations, station elevation refers to the height of the barometer cistern above mean sea level; at other stations, it refers to the height above mean sea level of the ground on which the raingauge stands.
3. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
4. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.
5. Local Standard Time (LST) in British Honduras is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".
6. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to British Honduras, and concluding with Guyana.
7. A blank space indicates that data are not available, or were considered unreliable.

TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12 and 18h GMT). At other stations they are the one or two hours at which observations are made each day.

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II

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eighths), mostly clear (1, 2), partly cloudy (3-5) mostly cloudy (6, 7) or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air. Again, the total number of observations in these eight columns will be equal to the number of days in the month unless an observation was missed.

TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

/ct'd.....

III

2. The rainfall data are from the standard raingauges at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred, and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. As it will cool through overnight radiation loss, generally lower temperatures than those from the screened thermometers will be observed. The mean of the 30 or 31 daily values is given in the table.

5. All stations for which monthly sunshine totals are given here will normally have entries in Table VI as well.

6. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean wind-speed in excess of 34 knots). The total number of calendar days during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

TABLE III

1. This table gives summaries of additional daily observations of importance primarily to agriculture.

2. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and are entered to the previous day. Hence both the "daily mean" and "most in a day" figures refer to the climate day rather than the calendar day. It should be noted that, as the mean hourly wind-speeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V.

3. Evaporation is usually measured using a Class A pan, a metal container 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the

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IV

month is given in the table together with the maximum daily loss during the month and the date on which it occurred. Both these last entries refer to the climate day.

4. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

5. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording raingauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10° is also given. The highest speed for any clock hour is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

/ct'd.....

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than ± 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

JM/jb

C.M.I.

January, 1970.

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH, 1970

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH, 1970

(CONTINUED)

COUNTRY	STATION	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE AND WIND SPEED				TOTAL CLOUD AMOUNT (eighths)				VISIBILITY (No. of Observations) (yards)				
		HEIGHT ABOVE MSL	INCHES MM	REL HUM	TEMP DEG F	INCHES MM	REL HUM	PSH MB	WIND DIR DEG	MEAN AMT	0-1/2	3-5	6-7	8	9	10-12	13-15	16-18
JAMAICA	KINGSTON ST GEORGE COLL	900	67	74.0	69.8	22.1	80	13	85.0	75.5	26.1	63	5.8	4.9	1	11	1	10
JAMAICA	MARSHALLS PEN	2300	67	64.4	62.4	18.5	90	13	79.0	69.6	20.6	61	11.6	5.9	0	3	0	31
JAMAICA	MASON RIVER FIELD	2300	67	64.9	64.1	20.1	96											
JAMAICA	MASON RIVER FIELD	2300	13	77.1	69.7	21.2	67	19	65.9	63.4	18.9	87	2.5	2.0	0	25	1	0
JAMAICA	MONTEGO BAY AIRPORT	3	01	74.4	71.0	24.4	90	1014.3	1014.3	3.2	3.7	0	14	6	9	2	0	0
JAMAICA	MONTEGO BAY AIRPORT	3	07	72.6	70.0	24.1	88	1014.3	1014.0	13.0	5.6	0	14	7	7	3	0	0
JAMAICA	MONTGB	13	82.1	76.2	28.2	75	1014.0											31
JAMAICA	MONTGB AIRPORT	3	19	76.5	73.5	27.6	83	1013.2	1013.2	5.0	4.2	0	10	10	9	2	0	0
JAMAICA	MONTBUSH	30	08	78.6	73.3	25.7	77											31
JAMAICA	MORANT POINT LH	6	01	77.7	74.1	27.2	84											31
JAMAICA	MORANT POINT LH	6	07	77.5	74.1	27.4	85											31
JAMAICA	MORANT POINT LH	13	82.3	76.9	29.2	76												31
JAMAICA	MORANT POINT LH	6	19	79.4	75.2	28.1	82											31
JAMAICA	MORANT POINT LH	27	07	74.0	69.5	22.6	77	1014.0	1014.0	8.7	3.9	2	7	15	5	4	0	0
JAMAICA	MORANT POINT LH	13	85.0	70.4	24.6	80	1013.8	1013.8	8.4	3.6	3	12	6	7	3	0	0	31
JAMAICA	MORANT POINT LH	19	79.8	75.1	24.9	72	1013.0	1013.0	5.8	3.7	0	13	8	8	2	0	0	31
JAMAICA	ORANGE RIVER	950	08	71.7	69.9	24.2	91											31
JAMAICA	ORANGE RIVER	950	16	77.3	72.3	24.9	78	1013.8	1013.8	3.7	2.1	2	22	5	1	0	0	0
JAMAICA	PALISADES AIRPORT	9	01	77.6	71.6	23.8	74	1013.8	1013.8	4.2	2.5	0	16	4	9	2	0	0
JAMAICA	PALISADES AIRPORT	9	07	76.3	70.4	22.8	74	1014.2	1014.2	12.8	3.7	0	13	6	10	2	0	0
JAMAICA	PALISADES AIRPORT	9	13	84.3	74.6	25.0	62	1013.6	1013.6	7.9	3.7	0	15	7	9	0	0	0
JAMAICA	PALISADES AIRPORT	9	19	80.7	72.3	23.4	65	1012.9	1012.9	7.9	3.4	0	15	7	9	0	0	0
JAMAICA	RICHMOND	120	08	78.1	72.1	24.2	74											31
JAMAICA	SMITHFIELD	925	08	72.3	69.2	22.5	80											31
JAMAICA	SPANISH TOWN	720	07	71.7	70.5	24.9	94											31
JAMAICA	TOP MOUNTAIN	3550	07	61.4	59.0	16.1	86											31
JAMAICA	WORTHY PARK	1250	07	65.7	54.6	20.3	94											31
JAMAICA	BELIZE AIRPORT	17	05	73.7	72.0	24.1	68	1011.4	1011.4	1.8	5.4	0	3	4	11	4	0	0
JAMAICA	BELIZE AIRPORT	17	12	83.6	75.5	26.8	62	1012.9	1012.9	7.1	4.7	0	6	8	14	7	2	0
GUYANA	BARTICA POTATO RD	400	08	76.7	74.7	28.4	90	1010.9	1010.9	4.0	4.0	1	7	11	7	2	0	0
GUYANA	GEORGETOWN BOT GDN	7	08	80.6	75.4	27.7	76	1013.4	1013.4	5.5	5.7	0	2	10	19	0	0	0
GUYANA	MOSORORO	08	77.2	74.5	27.8	70	1011.6	1011.6	7.5	5.5	0	14	15	1	0	0	0	724
GUYANA	MOSORORO	08	76.5	74.4	28.2	91												724
GUYANA	MAHAI CONY ABARY RD3	6	14	83.6	76.6	28.2	72											8
GUYANA	MAHAI CONY ABARY RD3	6	08	70.1	68.8	23.5	94											8
GUYANA	MATTHEWS RIDGE	1885	14	80.4	72.3	23.4	66	1014.2	1014.2	1.8	5.4	0	10	20	0	0	0	8
GUYANA	MATTHEWS RIDGE	1885	08	77.2	74.5	27.7	67	1013.5	1013.5	1.5	5.7	0	2	10	19	0	0	0
GUYANA	MABARUNA	1885	14	84.5	75.3	26.6	66	1011.1	1011.1	2.4	5.7	0	1	12	18	0	0	0

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH, 1970
 (CONTINUED)

TABLE II - SUMMARY OF DAILY OBSERVATIONS MARCH - 1970

COUNTRY	STATION	RAINFALL (INCHES)				AIR TEMPERATURE F						MEAN TEMPERATURE CLASSIFICATION				NO OF DAYS WITH FROST	
		TOTAL AMOUNT	MEAN IN A DAY	NUMBER OF DAYS WITH MORE THAN .04 IN A DAY	MEAN MAX	MEAN MIN	MAX A IN .04 IN A DAY	MIN A IN .04 IN A DAY	MEAN MAX	MEAN MIN	MAX A IN .04 IN A DAY	MEAN MAX	MEAN MIN	MAX A IN .04 IN A DAY	MEAN MAX	MEAN MIN	
																1	2
TRINIDAD	COCAL EST	4.33	2.00	2	15	2	1	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	GREEN HILL RIVER EST	2.10	.65	1	12	1	1	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	GUAYAGUATE	4.59	1.59	3	13	3	1	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	LA PASTORA	3.20	.68	16	10	2	0	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	MATELOT	5.11	1.84	8	12	4	1	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
TRINIDAD	NAVET DAM SITE	3.98	.78	22	12	4	0	0	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	PIARCO AIRPORT	1.62	.21	26	4	0	0	0	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	POINT FORTIN	4.39	1.69	9	12	3	1	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	PORT OF SPAIN R BOT	1.97	.67	16	11	2	0	1	88.1	71.0	79.6	91	65	68.7	241.3	0	0
	GUARDED MOLLIS	2.60	.41	22	15	1	0	0	88.1	71.0	79.6	91	65	68.7	241.3	0	0
TRINIDAD	ST AUGUSTINE UNI	4.83	.27	1	6	0	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	WATERLOO EST	1.37	.25	2	10	0	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	CASTARA	2.42	.77	8	12	2	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	CROWN POINT AIRPORT	1.81	.65	14	8	2	0	0	87.6	73.6	80.6	91	65	66.3	225.6	0	0
	HILLSBOROUGH DAM	1.96	.31	6	11	0	0	0	87.6	73.6	80.6	91	65	66.3	225.6	0	0
TOBAGO	MORIAN	1.52	.20	15	9	0	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	PLYMOUTH WHITE ROCK	1.98	.25	22	9	0	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	SCARBOROUGH BOT STN	1.02	.25	15	4	0	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	SPEYSIDE	2.12	.47	15	13	1	0	0	87.6	69.8	78.8	90	65	66.3	225.6	0	0
	MIRABEAU	3.28	.53	16	15	2	0	0	87.6	72.5	78.3	91	65	66.3	225.6	0	0
GRENADA	MOUNT MORNE	2.67	.66	22	11	2	0	0	84.2	72.5	78.3	91	65	66.3	181.6	0	0
	BELLE ST N	1.80	.40	14	6	1	0	0	84.2	72.5	78.3	91	65	66.3	181.6	0	0
	CASTLE GRANT ST JOS	2.73	.85	14	9	3	0	0	84.2	72.5	78.3	91	65	66.3	181.6	0	0
	CLIFTON HALL ST J	1.96	.44	14	6	1	0	0	84.2	72.5	78.3	91	65	66.3	181.6	0	0
	EDGECASTLE ST P	1.61	.64	14	7	1	0	0	84.2	72.5	78.3	91	65	66.3	181.6	0	0
BARBADOS	HASSAGATE ST A	.96	.44	14	4	1	0	0	85.7	72.1	78.9	91	65	66.3	275.6	0	0
	HOLETOWN ST JA	1.82	.22	22	8	0	0	0	85.7	72.1	78.9	91	65	66.3	275.6	0	0
	HUSBANDS CML	1.23	.41	1	7	1	0	0	85.7	72.1	78.9	91	65	66.3	275.6	0	0
	PORLTAND ST PE	1.39	.61	14	8	1	0	0	85.7	72.1	78.9	91	65	66.3	275.6	0	0
	RIVER ST P	1.69	.38	24	7	0	0	0	85.7	72.1	78.9	91	65	66.3	275.6	0	0
BARBADOS	BEAWELL AIRPORT	1.89	.48	14	10	1	0	0	85.7	73.1	79.1	91	65	66.3	286.4	0	0
	ROSEAU WINGAN	2.41	.70	13	1	0	0	0	85.7	73.1	79.1	91	65	66.3	286.4	0	0
	VISIE AIRPORT	1.93	.24	19	12	1	0	0	85.7	73.1	79.1	91	65	66.3	286.4	0	0
	COOLIDGE AIRPORT	1.57	.25	18	5	0	0	0	85.7	73.1	79.1	91	65	66.3	286.4	0	0
	BERNARD LODGE	1.00	.00	0	0	0	0	0	85.7	66.2	78.9	91	65	66.3	291.1	0	0
JAMAICA	BOODLES	1.02	.74	20	4	1	0	0	86.6	62.4	74.3	91	65	66.3	229.4	0	0
	CEDAR VALLEY	1.99	1.38	4	7	1	0	0	86.6	62.4	74.3	91	65	66.3	229.4	0	0
	CINCHONA GARDENS	2.02	.50	9	6	1	0	0	86.6	57.8	69.3	91	65	66.3	229.4	0	0
	DALLAS	1.99	.64	3	5	1	0	0	86.6	57.8	69.3	91	65	66.3	229.4	0	0
	DUCKENFIELD	.80	.30	5	3	1	0	0	86.6	57.8	69.3	91	65	66.3	229.4	0	0
JAMAICA	EAST ALBION NURSERY	.56	.22	8	5	0	0	0	86.6	64.6	76.4	91	65	66.3	229.4	0	0
	FARM HILL	1.75	.34	16	6	0	0	0	86.6	59.6	70.3	91	65	66.3	229.4	0	0
	FRONE	1.53	.54	23	5	1	0	0	86.6	58.2	68.4	91	65	66.3	229.4	0	0
	HALLS DELIGHT	1.57	.20	4	4	0	0	0	86.6	57.8	67.6	91	65	66.3	229.4	0	0
	HOPE GARDENS	1.68	.45	9	4	1	0	0	86.6	57.3	71.6	91	65	66.3	229.4	0	0
JAMAICA	IRWIN	2.95	.65	17	7	4	0	0	86.6	57.3	71.6	91	65	66.3	229.4	0	0
	JAMES HILL	1.70	.70	14	4	1	0	0	86.6	57.3	71.6	91	65	66.3	229.4	0	0
	KINGSTON ST. GEORGES	1.11	.65	8	2	0	0	0	86.6	71.6	79.4	91	65	66.3	229.4	0	0

TABLE II - SUMMARY OF DAILY OBSERVATIONS MARCH - 1970
(CONTINUED)

COUNTRY	STATION	RAINFALL (Inches)				AIR TEMPERATURE (°F)				SUNSHINE (HRS)				TOTAL SKY COVERED %	NO OF DAYS WITH FROZEN GROUND
		TOTAL AMOUNT IN A DAY	MOST IN A DAY	DAYS WITH MORE THAN 1 IN.	DAYS WITH MORE THAN 1.00 IN.	MEAN MAX	MEAN MIN	MEAN MAX	MEAN MIN	MEAN DURATION	MEAN UP TO 1/2	MEAN UP TO 1/4			
JAMAICA	MARSHALL'S PEN	1.028	.90	3	4	1	0	79.8	62.5	71.2	85	85	58.5	0	0
	MASON RIVER FIELD	3.06	1.47	5	7	2	1	60.1	55						
	MONTego BAY AIRPORT	1.05	.58	15	4	1	0	83.5	69.1	76.3	90	56	271.2	0	0
	MONYNUK	1.14	.08	23	2	0	0	86.5	68.1	78.3	91	62			
	MORANT POINT LH	1.06	.47	3	4	1	0	84.2	73.9	79.0	86	65			
	MERRIL POINT LH	1.75	.35	3	4	0	0	87.6	71.0	79.3	91	66			
JAMAICA	ORANGE RIVER	3.03	1.65	17	9	5	0	81.7	65.2	73.5	66	61			
	PALISADES AIRPORT	3.49	1.45	2	1	0	0	86.5	74.0	80.2	89	59	271.0	0	0
	RICHMOND	3.67	1.89	15	3	1	0	82.9	68.4	75.8	87	65			
	SMITHFIELD	6.02	2.13	4	9	3	1	81.4	67.1	74.3	86	63	213.6		
	SPANISH TOWN	1.05	.03	8	0	0	0	88.1	64.1	76.1	90	61			
JAMAICA	TOP MOUNTAIN	.98	.20	3	5	0	0	57.1							
	NORTHY PARK	2.35	1.03	14	4	2	1	83.1	60.8	71.9	87	57	213.5		
SR HONDURAS	BELIZE AIRPORT	1.68	.74	1	6	2	0	86.1	72.7	79.4	95	65	233.4		
GUYANA	BARTICA POTATO RD	4.37	.72	31	12	6	0	90.5	70.6	80.5	93	65			
	GEORGETOWN BOT GDN	2.73	.86	18	12	4	0	84.7	76.7	80.7	86	72	230.7	0	0
	HOSORORO	5.59	1.74	14	17	4	1	87.3	71.0	79.1	90	66			
	KAWARANG	6.80	1.09	8	21	6	2	83.0	67.9	75.4	86	61	131.6	0	0
	NASARUBA	5.06	1.38	14	18	4	2	86.3	72.0	79.2	89	69			
	WAHAICONY ABARY RD	1.93	.42	9	9	1	0	82.7	72.8	77.1	81	64	216.6		
	MATTHENS RIDGE	5.50	.83	15	21	3	0	86.6	70.8	78.4	89	64			
GUYANA	NAZARUNI PRISON	4.07	1.10	9	14	4	1	87.5	71.8	79.8	89	69	136.9	2	2
	NON REPOS	1.64	.36	5	10	0	0	85.9	75.8	80.9	87	75	213.4		
	NEW AMSTERDAM	2.33	.43	8	12	1	0	87.6	74.5	81.0	90	71			
	PORT KAITUMA	6.02	1.14	29	18	6	3	88.4	68.3	78.3	92	66			
	TIMEHRI AIRPORT	4.53	.88	24	12	5	0	87.5	70.4	79.0	90	64	0	1	0
	TIMEHRI CMS	3.25	.65	9	13	4	0	87.2	68.6	77.9	90	62	68.2	143.2	
	DAUNA	5.94	1.52	14	14	4	2	85.1	66.9	75.0	90	65	209.7		

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - MARCH, 1970

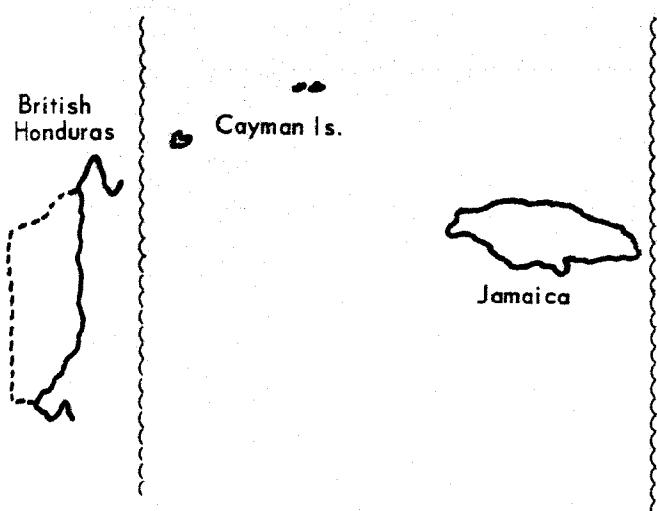
COUNTRY	STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME								
		5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours	
TRINIDAD	CENTENO	•09	•17	•17	•17	•26	•27	•29	•29	
	PIARCO AIRPORT	•08	•08	•09	•10	•19	•19	•19	•19	
	ST. AUGUSTINE USI	•17	•21	•22	•23	•25	•27	•27	•27	
TOBAGO	CROWN POINT AIRPORT	•10	•15	•19	•37	•39	•47	•55	•55	
GRENADA	MIRABEAU	•27	•35	•37	•38	•38	•40	•53	•53	
BARBADOS	HAGGATT'S ST. A	•19	•18	•20	•22	•25	•37	•40	•40	
	HUSBANDS CHS	•08	•10	•12	•19	•35	•36	•41	•41	
	LION CASTLE ST. T	•14	•15	•15	•15	•19	•34	•76	•95	
GUYANA	GEORGETOWN BOT. GDN	•25	•46	•50	•50	•53	•53	•53	•53	
	KAMARANG	•13	•24	•26	•45	•63	•89	1•05	1•09	
	MATTHEWS RIDGE	•36	•60	•90	1•40	1•46	1•49	1•51	1•51	
GUYANA	NEW AMSTERDAM	•27	•32	•50	•75	•75	•90	1•08	1•48	
	TIMEHRI CHS	•24	•28	•30	•35	•39	•44	•65	•65	
	WAUNA	•15	•23	•28	•56	•82	1•24	1•44	1•46	

TABLE V - SUMMARY OF WINDSPEED RECORDS - MARCH, 1970

COUNTRY	STATION	HIGHEST HOURLY WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
		DIR	SPEED	HOURE	DATE	DIR	SPEED	HOURE	DATE	35	47	68	
TRINIDAD	PIARCO AIRPORT	06	18	14	26 07	35	0935	26	0	0	0	0	6•0
BARBADO	CROWN POINT AIRPORT	11	17	15	23 11	27	1155	26	0	0	0	0	7•3
ANTIGUA	COOLIDGE AIRPORT	06	20	22	1 07	30	2330	17	0	0	0	0	12•0
JAMAICA	MONTEGO BAY	06	19	14	2 08	28	1550	2	0	0	0	0	4•5
GUYANA	PALISADGES APT	10	24	16	30 09	33	1555	30	0	0	0	0	-
	GEORGETOWN BOT. GDN	06	18	13	24 06	27	1315	25	0	0	0	0	8•0

TABLE VI - SUMMARY OF SUNSHINE RICHARDS - MARCH, 1970

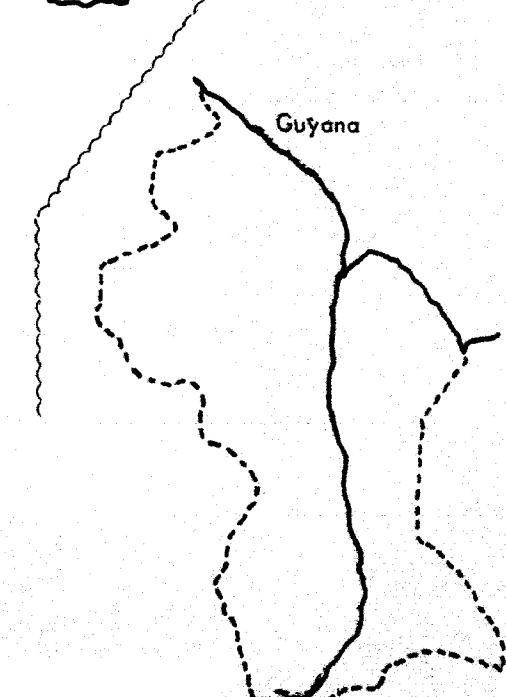
COUNTRY	STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)		PERCENT MISSING IN A DAY	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)	
		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15		
TRINIDAD	CENTER	0 1 56	52	70	74	80	73	81	82	76	65	23	0	236.5	63	11.0	1	
	PIAPCO AIRPORT	0 2 32	79	82	71	76	78	71	73	75	68	61	19	0	241.3	65	11.1	19
	ST AUGUSTINE UNI	0 10 60	65	75	73	79	79	75	77	75	27	0	0	225.0	61	9.6	7	
TOBAGO	CROWN POINT AIRPORT	0 24 69	72	79	75	64	69	74	74	65	62	20	0	230.6	62	11.0	9	
GRENADA	MIRABEAU	0 7 45	57	58	66	70	68	73	62	47	29	5	0	181.8	45	10.1	3	
BARBADOS	HUSBANDS CMI	0 11 66	62	86	89	90	87	89	83	76	64	14	0	260.0	74	10.5	29	
	SEAFIELD AIRPORT	0 17 69	90	93	95	97	95	94	89	84	72	50	0	286.4	77	11.1	29	
	NEVILLE HALL APT	0 8 61	80	86	81	84	82	81	75	65	39	2	0	52	10.2	11	0	
DOMINICA	DUCKENFIELD	0 21 74	86	90	89	82	86	85	81	78	61	11	0	261.7	70	11.0	30	
JAMAICA	MONTEGO BAY	0 20 74	81	84	82	85	83	81	78	59	42	6	0	258.2	64	10.7	20	
JAMAICA	ORANGE RIVER	0 2 63	81	81	83	79	78	73	70	59	46	4	0	218.2	59	10.2	31	
	PALISADES	0 13 61	76	87	92	94	91	92	90	85	67	11	0	270.8	73	10.6	7	
	SMITHFIELD	0 17 72	80	88	86	78	69	62	54	45	41	1	0	213.8	58	10.3	10	
GUYANA	GEORGETOWN BOT GDM	0 15 48	65	72	77	79	80	77	71	58	16	0	0	230.7	60	10.9	17	
	KAMARANG	0 2 12	26	40	44	46	52	59	50	35	8	0	0	151.6	35	9.4	16	
GUYANA	MAHAICONY ABARY RDS	0 6 50	65	73	71	70	76	75	76	68	54	14	0	216.6	58	10.5	17	
	MAZARUMI PRISON	0 1 17	64	65	66	40	55	56	53	44	21	1	0	151.1	37	9.2	2	
	NON REPOS	1 5 42	61	71	73	77	77	77	77	74	47	7	0	213.4	57	10.2	1	
	TIMEHRI CHS	0 1 45	45	40	47	57	48	54	52	41	31	2	0	143.2	38	9.8	1	
	BAUNA	0 1 59	75	75	61	58	65	71	77	65	49	13	0	202.7	56	10.9	31	



Br. Virgin Is.
Anguilla
Barbuda
St. Kitts
Nevis
Antigua
Montserrat

Dominica

St. Lucia
St. Vincent
Grenadines
Barbados
Grenada
Tobago
Trinidad



Monthly Weather Summary

April, 1970

MONTHLY WEATHER SUMMARY

Prepared and Published by the
Caribbean Meteorological Institute,
Husbands, St. James, Barbados, W.I.

April, 1970

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II

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eights), mostly clear (1, 2), partly cloudy (3-5) mostly cloudy (6, 7) or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air.

TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data are from the standard raingauges at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred, and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. The mean of the 30 or 31 daily values is given in the table.

5. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days

III

during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

TABLE III

1. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and are entered to the previous day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V.

2. Evaporation is usually measured using a Class A pan, a metal container 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred.

3. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

4. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording rain-gauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10 is also given. The highest speed for any clock hour

IV

is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than ± 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

JM/jb

C.M.I.

January, 1970.

TABLE I - SUMMARY OF ACTIVITIES AT FIXED HOJRS - APRIL '70

(CONTINUED)

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(CONTINUED)

TABLE X - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 70
(CONTINUED)

COUNTRY	STATION	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE TO MSL	WIND SPEED kt	TOTAL CLOUD AMOUNT (eights)			VISIBILITY (no. of Observations) (miles)	
		MEAN TEMP. °R	HUMID. WT%	VAPOR REL. RH%	PRESSURE mb			SEAS 0	ANT 1	Number of Observations	YARDS	MILES
		°F	%	%	s			0-400	0-800	0-1600	0-3200	0-10
GUYANA	PORT KAITUNA	68	74.9	75.6	27.7	94						
	PORT KAITUNA	14	85.7	77.6	28.8	69						
	TIMEHRI AIRPORT	95	02	75.4	72.9	27.4	98	1011.7	0.0	5.0	2	4
		08	77.7	75.4	29.1	90	1012.5	3.8	5.9	0	3	15
		14	84.3	76.3	27.5	69	1011.3	1.1	6.5	0	6	18
		20	75.8	74.4	28.5	92	1011.9	1.5	5.2	1	7	216
GUYANA	TIMEHRI CHS	08	78.2	75.8	29.4	99						
		14	84.2	76.6	28.0	70						
	WAUNA	08	75.8	74.6	28.7	94						
		14	84.6	76.5	27.6	68						

TABLE II - SUMMARY OF DAILY OBSERVATIONS - APRIL 70

COUNTRY	STATION	RAINFALL (INCHES)				AIR TEMPERATURE °F						TOTAL SUNSHINE HRS.				NO OF DAYS WITH FROST			
		TOTAL ANDENT	MEAN IN A DAY	NUMBER OF DAYS WITH MORE THAN 1 IN.	MEAN MAX MIN	MEAN MAX MIN	EXTREMES MAX (A+B) MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	MEAN MAX MIN	
TRINIDAD	COCAL EST GREEN HILL RIVER EAST GUAYAGUAYARE LA PASTORA MATELOT	4.68 1.35 1.02 1.68 2.67	1.09 1.34 1.02 1.51 0.81	6 24 5 10 10	14 10 7 5 3	0 0 0 0 0	88.9 88.9 88.9 88.9 88.9	72.5 74.0 74.0 74.0 74.0	60.6 60.6 60.6 60.6 60.6	90 90 90 90 90	67 67 67 67 67	254.0	0	0	0	0			
TRINIDAD	NAVET DAN SITE PAPARCO AIRPORT POINT FORTIN R. 60 FT QUAREDAN MOLLIS	4.55 2.24 1.86 1.46 5.52	1.43 1.57 1.77 1.58 1.26	24 15 10 12 14	15 10 12 12 14	4 3 0 0 5	89.0 89.0 84.2 84.4 87.6	71.1 75.2 74.4 75.8 80.4	60.0 82.1 79.5 79.2 80.4	91 91 86 88 90	67 70 71 70 69	255.2	258.7	226.5	0	0			
TRINIDAD	ST AUGUSTINE UNI CROWN POINT AIRPORT NIRAGE U MOUNT HORNE HUSSANDS C.M.	1.69 2.06 1.58 1.30 1.75	1.56 1.65 1.86 1.91 1.56	24 24 18 15 21	15 12 10 12 12	4 1 1 1 2	89.0 89.0 84.2 85.1 87.6	71.1 75.2 74.4 75.8 79.2	60.0 82.1 79.5 79.2 80.4	91 91 86 88 90	67 70 71 70 69	270.6	0	0	0	0			
TRINIDAD	SEAWELL AIRPORT ROSEAU WINBAN VIEGLE AIRPORT WELVILLE HALL APT COOLIDGE AIRPORT	1.64 1.51 2.89 3.57	1.42 1.59 1.59 1.73 1.42	21 30 30 12 17	12 12 12 12 16	5 6 6 3 3	87.1 87.8 85.0 84.9 84.3	75.9 72.1 74.4 75.8 75.4	61.5 79.9 81.4 81.4 78.8	89 91 92 92 86	72 66 70 70 69	281.5	226.1	0	0	0			
BARBADOS	DUNBARS BERNARD LODGE BOOLES CEDAR VALLEY CINCHONA GARDENS	1.83 1.00 .10 2.31 6.04	1.55 1.00 .07 1.85 1.80	20 0 25 15 11	9 0 1 8 4	0 0 0 1 4	87.0 90.1 88.8 82.5 71.0	73.2 68.2 62.4 75.6 76.6	60.1 79.1 79.4 75.6 75.9	90 94 94 93 86	70 63 58 58 76	305.1	250.6	0	0	0			
JAMAICA	DALLAS DUCKENFIELD EAST END BLDG NURSERY EMPIRE NURSERY FARM HILL	1.04 2.04 1.35 2.79 4.55	.50 1.46 1.50 1.72 1.12	9 24 6 29 11	4 1 5 4 5	1 2 1 4 5	85.1 86.2 89.3 83.2 76.4	71.4 66.1 66.1 61.2 60.6	78.8 77.7 77.7 72.2 68.6	90 92 92 86 79	67 63 63 57 55	248.9	248.9	0	0	0			
JAMAICA	FROVE HALLS DELIGHT HOPE GARDENS IRWIN KINGSTON ST. GEORGE'S	1.04 2.08 1.43 1.86 1.12	.24 1.65 1.64 1.90 1.15	25 22 9 19 15	4 1 5 4 2	1 1 2 3 0	80.5 79.1 89.0 89.0 88.6	70.6 62.4 61.2 68.3 73.3	80.6 70.7 61.2 68.7 80.9	95 85 92 93 95	66 60 64 69 70	95	0	0	0	0			
JAMAICA	MARSHALLS PEN MASON RIVER FIELD MONTEGO BAY AIRPORT MONYMUSK MORANT POINT LH	2.54 1.60 1.00 .52 2.16	1.18 1.40 1.00 1.45 .51	9 15 0 24 19	4 7 0 21 2	3 1 0 2 2	85.0 82.3 86.0 71.5 86.2	62.9 62.2 61.2 78.8 74.6	75.0 72.7 72.7 78.8 80.4	87 87 88 88 89	56 56 64 64 65	57.6	4	1	1	0			
JAMAICA	ORANGE RIVER PALISADES AIRPORT RICHMOND SMITHFIELD WATERLOO EST	2.08 .04 .00 2.97 2.00	.69 .03 .00 1.52 .71	25 25 0 9 5	10 10 0 4 1	2 0 0 2 0	82.8 87.9 84.9 83.4 82.8	67.6 75.8 70.0 69.8 74.6	75.2 81.8 77.4 69.1 80.4	85 94 88 88 89	52 72 66 66 69	259.3	0	0	0	0			
TRINIDAD	CASTARA HILLSBOROUGH DAW WORLIAH PLYMOUTH WHITE ROCK	1.70 2.59 2.26 1.07	1.02 .71 .53 .46	2 2 1 1	6 9 1 1	0 0 0 0	82.8 87.9 84.9 83.4	67.6 75.8 70.0 69.8	75.2 81.8 77.4 69.1	85 94 88 88	52 72 66 66	253.1	0	0	0	0			
TRINIDAD	CASTARA HILLSBOROUGH DAW WORLIAH PLYMOUTH WHITE ROCK	1.70 2.59 2.26 1.07	1.02 .71 .53 .46	2 2 1 1	6 9 1 1	0 0 0 0	82.8 87.9 84.9 83.4	67.6 75.8 70.0 69.8	75.2 81.8 77.4 69.1	85 94 88 88	52 72 66 66	253.1	0	0	0	0			

TABLE II - SUMMARY OF DAILY OBSERVATIONS - APRIL 70
(CONTINUED)

COUNTRY	STATION	RAINFALL (inches.)			AIR TEMPERATURE (°F)			NO OF DAYS WITH			
		TOTAL AMOUNT IN A. IN. MM.	MOST IN A. IN. MM.	NUMBER OF DAYS WITH MORE THAN 1.00 IN. MM.	MEAN MAX MIN A B C D E	MEAN MAX MIN A B C D E	MEAN MAX MIN A B C D E	MEAN CLASS SHRINE DOWNTON W	MEAN CLASS SHRINE DOWNTON W	MEAN CLASS SHRINE DOWNTON W	
TOBAGO BARBADOS	SCARBOROUGH BOT STN	1.43	•55	27	5	1	0				
	SPEYSIDE	4.14	2.03	24	10	2	1				
	BELLE ST N	•4	•33	1	2	0	0				
	CASTLE GRANT ST JOS	2.22	1.37	1	7	2	1				
	CLIFTON HALL ST J	1.36	1.14	1	4	1	1				
BARBADOS	EDGEcombe ST P	•62	•30	1	5	0	0				
	HAGGATTS ST A	1.27	1.15	1	2	1	1				
	MOLETOM ST JA	1.16	•69	1	4	1	0				
	LION CASTLE ST Y	1.65	1.05	1	7	2	1				
	PORTLAND ST PE	•85	•35	1	5	0	0				
JAMAICA BR. HONDURAS GUYANA	RIVER ST P	•4	•21	1	3	0	0				
	WORTHEY PARK	3.05	1.11	26	7	3	1	85.8	62.8	74.3	89.55
	BELIZE AIRPORT	•04	•03	6	0	0	0	89.3	76.4	82.9	91.71
	GARTICA POTATO RD	5.60	•75	13	15	6	0	89.6	71.5	80.6	92.67
	GEORGETOWN BOT GDN	8.64	2.46	12	15	6	2	84.3	76.0	80.1	86.72
GUYANA	HOASORORO	3.64	1.37	26	13	2	1	88.5	71.7	80.1	91.69
	KAWARANG	5.48	1.00	8	19	4	1	82.8	66.2	74.8	87.64
	NABARUNA	5.65	2.69	26	15	2	1	86.9	72.9	79.9	90.70
	WAHAICONY ABARY RDS	5.63	1.34	13	17	6	1	86.0	70.9	78.6	88
	MATTHEWS RIDGE	5.35	1.03	26	15	6	1	86.8	70.9	78.6	88
GUYANA	HAZARUNI PRISON	5.30	2.10	27	18	7	2	87.4	72.6	80.0	89.70
	MON REPOS	10.16	2.05	12	13	8	5	85.0	75.4	80.2	86.70
	NEW AMSTERDAM	7.84	2.06	12	19	5	2	86.6	74.3	80.5	90.72
	PORT KAITTAURA	6.80	1.20	11	16	7	1	88.5	69.2	73.9	92.74
	TIMEHRI AIRPORT	7.90	1.68	26	16	7	3	86.8	71.9	79.4	90.70
GUYANA	TIMEHRI CHS	6.52	1.75	26	12	5	2	86.5	69.8	78.1	90.66
	WAUNA	5.90	2.21	26	11	5	2	86.9	69.5	78.2	90.65

TABLE III - SUMMARY OF AGRONOMIC OBSERVATIONS - APRIL 70

COUNTRY	STATION	RUN OF WIND (ft. miles)			EVAPORATION (Inches)			SOIL TEMPERATURES At 2 inch Depth			TOTAL RADIATION (Inches)		
		MONT	TOTAL	DAILY IN A MEAN DAY	MOST IN A DAY	MEAN DAY	MAX MIN	EXTREMES	MEAN MAX MIN	MEAN MAX MIN	EXTREMES	TOTAL MAX MIN	TOTAL MAX MIN
TRINIDAD	PIARCO AIRPORT	109	140	8.59	5.9	9							
	ST AUGUSTINE UNI	42	57										
	MIRABEAU	97	127	6.53	3.1	19							
GRENADE													
BARBADOS	HUSBANDS CMI	161	199										
	BODLES	96	135	8.78	4.1	16							
JAMAICA	CEDAR VALLEY	37	67										
	EAST ALBION NURSERY	64	128										
	ORANGE RIVER	43	72										
	SWITHFIELD ROT GDN	67	109										
GUYANA	GEORGETOWN ROT GDN	100	126										
GUYANA	WAHAICONY ABARY ROS	126	172	6.97	3.6	21							
	WAUNA	43	62	5.97	3.3	.2							

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - APRIL 70

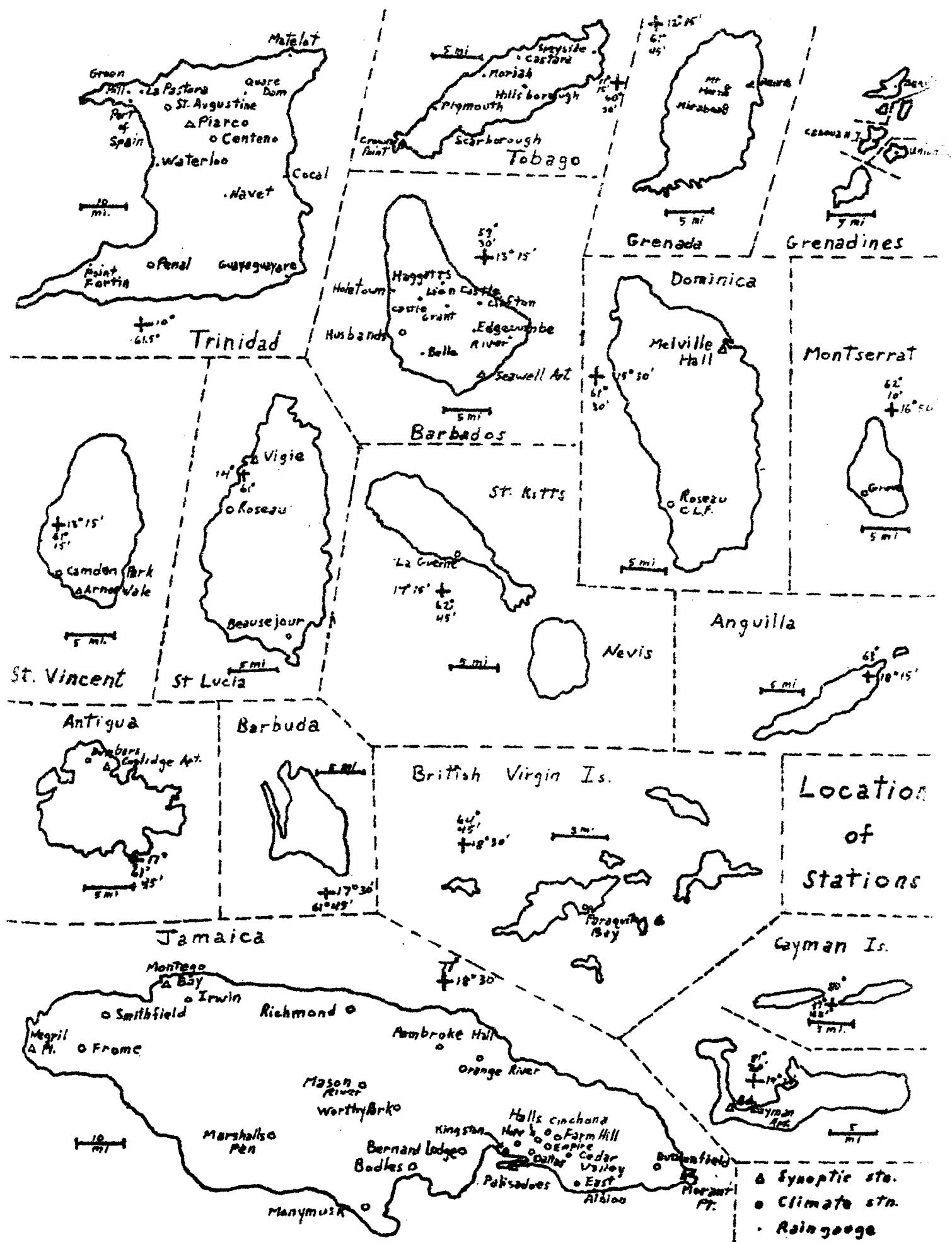
COUNTRY	STATION	MAXIMUM AMOUNTS (Inches) IN RAINFALL DAY DEFINING SPECIFIED PERIODS OF TIME											
		5 min	10 min	15 min	30 min	1 hour	2 hours	6 hours	12 hours	24 hours	48 hours	72 hours	96 hours
TRINIDAD	CENTENO	.20	.24										
	PIARCO AIRPORT	.20	.28	.36	.40	.45	.45	.45	.50	.55			
	ST AUGUSTINE UNI	.54	.46	.60	.64	.65	.65	.65	.70	.75			
TOBAGO	CROWN POINT AIRPORT	.19	.20	.20	.25	.35	.37	.62	.62	.62			
GRENADE	MIRBEAU	.13	.16	.21	.23	.30	.44	.47	.52	.52			
BARBADOS	HAGGATTS ST A	.21	.30	.38	.60	.81	.83	.93	.93	.93			
	HUSBANDS CMI	.97	.12	.15	.20	.26	.47	.54	.54	.54			
	LION CASTLE ST T	.95	.36	.41	.42	.60	.67	.93	.93	.93			
	SEAWELL AIRPORT	.07	.09	.09	.10	.10	.11	.18	.18	.18			
	GEORGETOWN BOT GDN	.25	.31	.42	.62	.87	.97	1.22	1.22	1.22			
GUYANA	MATTHEWS RIDGE	.26	.30	.32	.55	.64	.64	.88	.88	.88			
	NEW AMSTERDAM	.27	.32	.50	.75	.75	.90	1.08	1.08	1.08			
	TIMEHRI CHS	.25	.31	.42	.62	.87	.97	1.22	1.22	1.22			
	WAUNA	.19	.22	.33	.60	.72	.72	1.10	1.10	1.10			

TABLE V - SUMMARY OF WINDSHED RECORDS - APRIL 70

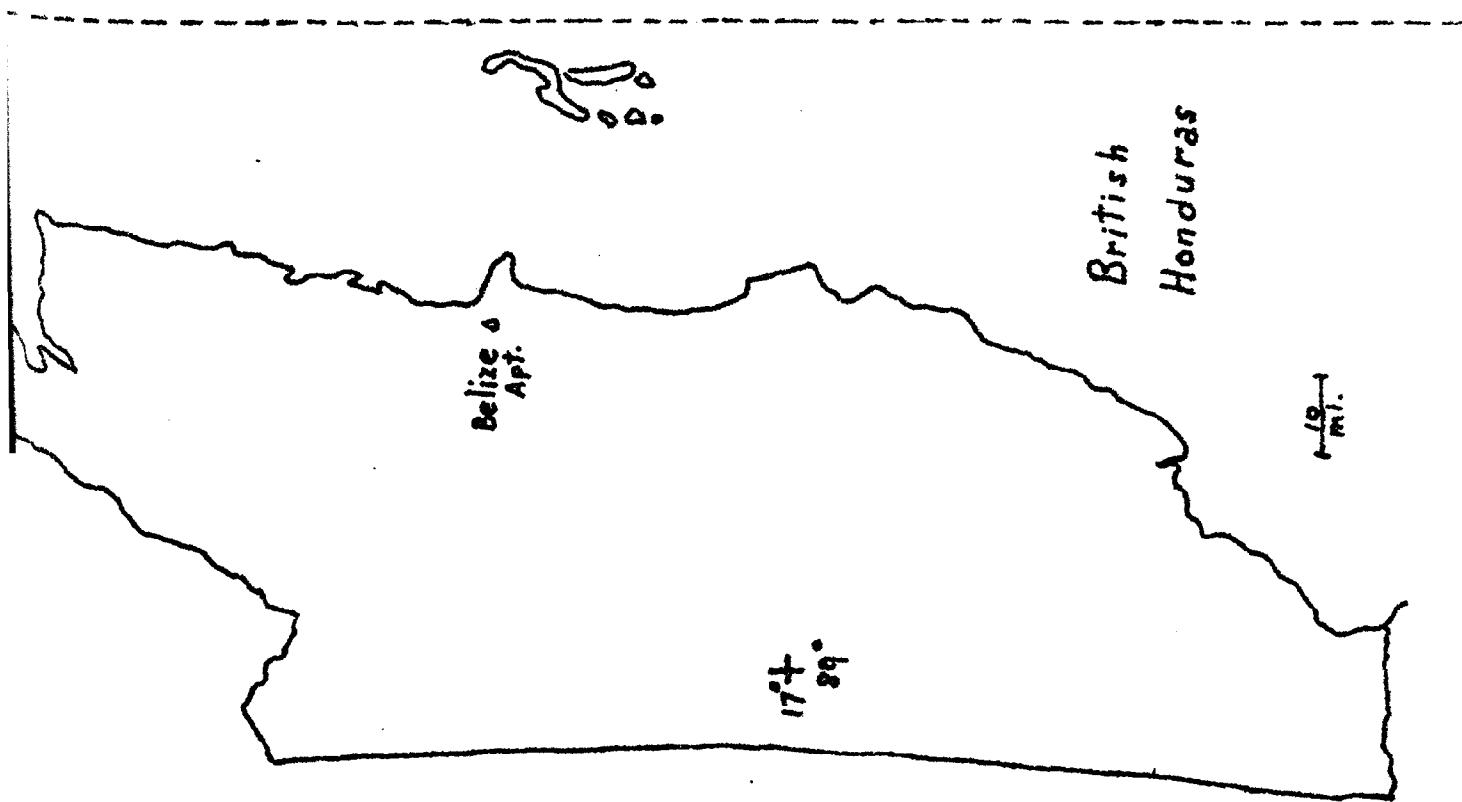
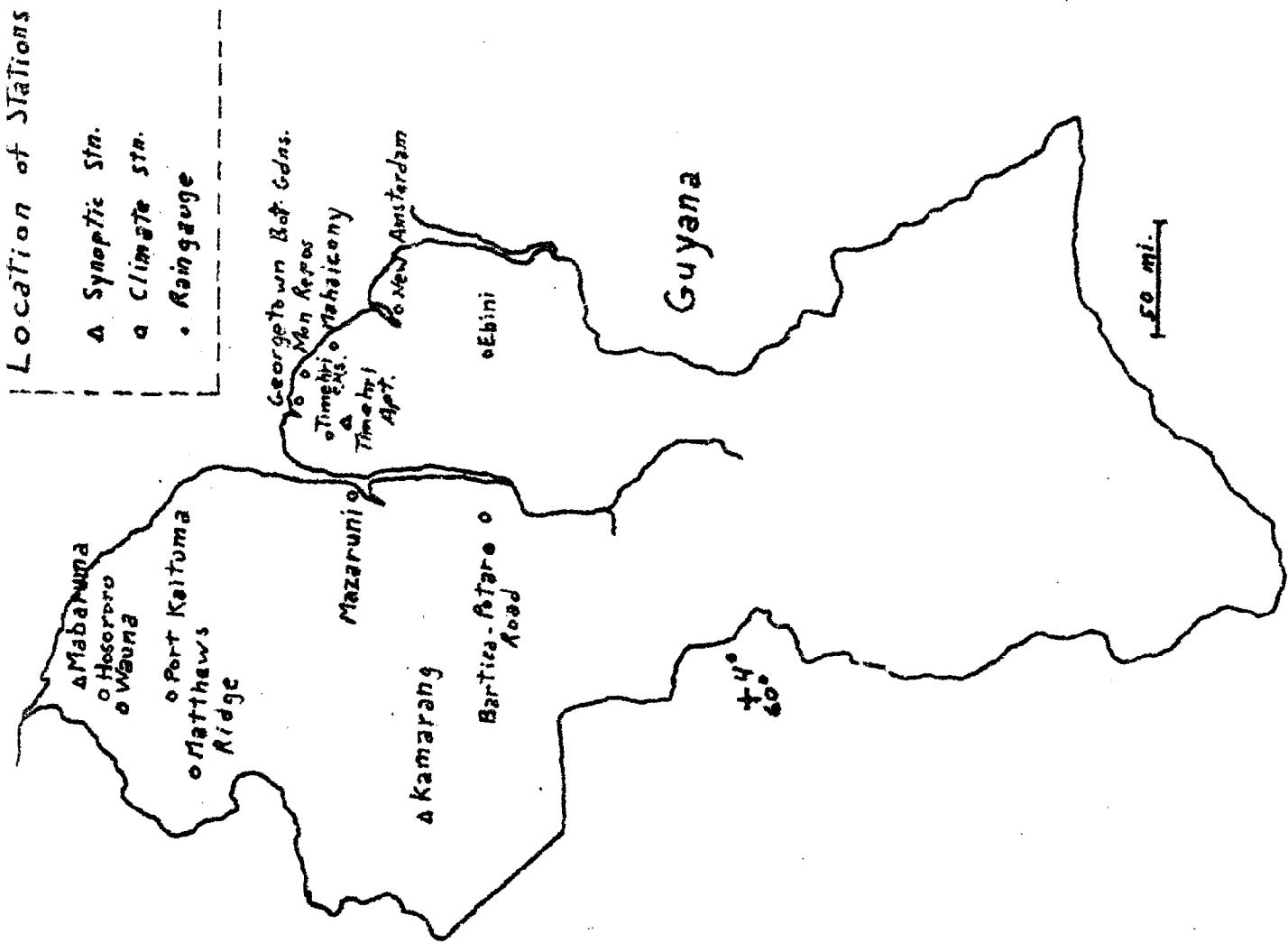
COUNTRY	STATION	HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDED			MEAN WIND SPEED
		MIN	MAX	Avg	MIN	MAX	Avg	33	67	63	
TRINIDAD	PIARCQ AIRPORT	10	20	15	28	9	52	1225	5	7-0	
TOBAGO	CROWN POINT AIRPORT	11	17	14	5	11	29	1325	5	8-6	
ANTIGUA	COOLIDGE AIRPORT	09	23	19	21	05	56	1005	22	12-1	
JAMAICA	MONTEGO BAY	09	18	16	18	07	26	1425	18	0	4-8
	PALISADES APT	10	21	17	1	10	53	1645	1	0	5-0
GUYANA	GEORGETOWN BOT GDN	05	14	09	2	06	37	0940	4	7-6	

TABLE VI - SUMMARY OF RAINFALL RECORDS - APRIL 70

COUNTRY	STATION	MEAN DURATION (Hundreds of an Hour) DURING SPECIFIED PERIOD (Local Apparent Time)			TOTAL RAINFALL (Inches)			HEAVIEST DAY IN A MONTH			NO OF DAYS WITH AMOUNTS EQUAL TO OR GREATER THAN THE RAINFALL (inches)														
		9-12	12-24	24-48	9-12	12-24	24-48	12-24	24-48	12-24															
TRINIDAD	CENTERNO	0	12	62	70	85	86	82	79	84	76	72	37	0	248-2	67	11-6	16	0	2	4	8	16	0	
	PIARCQ AIRPORT	0	29	78	78	82	87	83	79	78	71	68	51	0	254-0	69	11-5	15	0	1	4	11	14	0	
	STA AUGUSTINE USI	0	10	72	82	83	81	82	84	83	84	75	71	36	0	253-2	68	11-1	18	0	2	5	6	17	0
	CROWN POINT AIRPORT	0	39	76	81	80	85	81	86	84	71	74	52	0	258-7	70	12-0	20	0	1	6	8	15	0	
	MIRBEAU	0	26	61	71	82	85	80	76	79	80	64	59	1	0	226-3	61	11-3	20	0	2	6	11	11	0
BARBADOS	HUSBANDS CMI	0	37	78	86	89	80	94	86	82	83	76	75	58	0	270-6	73	11-7	16	0	1	3	8	18	0
	SEAWELL AIRPORT	0	25	75	88	92	93	94	96	91	90	87	73	29	0	281-5	75	11-4	16	0	1	3	4	22	0
	WELLSVILLE HALL APT	0	18	49	74	74	86	85	79	80	74	61	42	12	0	260-4	58	10-2	25	0	0	0	0	0	0
	DUCKFIELD	0	22	66	77	83	89	93	91	89	82	73	36	0	267-2	71	11-4	18	0	0	3	10	16	0	
	MONTEGO BAY	0	18	74	84	82	75	76	75	80	73	70	52	16	0	291-0	61	11-0	30	0	4	4	11	11	0
JAMAICA	MONY MUSK	0	15	69	90	91	92	87	85	80	78	82	65	32	0	250-6	67	10-8	20	0	3	11	16	0	0
	ORANGE RIVER	0	13	46	70	76	75	73	82	77	74	65	56	25	0	225-2	62	11-0	17	0	1	6	12	11	0
	PALISADES	0	35	79	90	86	86	86	87	81	74	76	59	16	0	260-4	69	11-5	17	0	0	4	10	14	0
	SMITHFIELD	0	157	36	91	96	95	86	82	74	55	52	44	26	0	253-1	68	12-0	17	0	0	3	15	12	0
	GEORGETOWN BOT GDN	0	21	46	54	58	66	70	68	68	67	62	56	15	0	195-4	53	11-2	10	1	5	7	6	11	0
GUYANA	KAWARANG	0	23	32	45	42	45	50	54	52	55	48	23	0	141-2	38	9-5	22	1	9	9	6	5	0	
	NAHAICONY ABARY RDS	0	11	37	52	61	59	61	67	77	77	67	49	19	0	194-3	53	10-7	10	0	1	5	6	12	0
	MAZARUNI PRISON	0	0	15	44	52	49	47	42	40	45	44	28	1	0	122-1	33	9-0	10	1	12	8	9	0	0
	NON REPOS	0	12	44	58	64	67	69	66	70	77	69	56	16	0	200-7	55	10-6	21	1	1	5	8	11	0
	TIMEMRI CHS	0	9	32	41	39	42	42	40	42	49	47	37	5	0	125-4	35	9-5	10	1	10	7	10	1	0
GUYANA	WAUMA	0	18	63	79	79	80	72	75	67	70	60	58	22	0	222-8	60	11-4	21	0	4	5	9	12	0



Location of Stations



NOTES ON THE OBSERVATIONS AND SUMMARIES

GENERAL

1. The maps show the approximate location of the stations, including some that are in the process of being established and others from which returns are sometimes delayed. Thus in any particular month summaries for a station may not appear in the tables. It is expected that supplementary tables, incorporating previously missed observations, will be added from time to time. A complete station list is published in the January issue each year.

2. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.

3. At most stations the raingauge has its rim 1 foot above the ground but in Guyana this height is generally one metre. Most of the standard gauges are 5 inches in diameter; the recording gauges, usually of the tilting-syphon or natural-syphon types, are either 5 or 8 inches in diameter.

4. Local Standard Time (LST) in British Honduras is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".

5. In each summary table, stations are arranged in alphabetical order within countries. The countries are arranged in geographical order commencing with Trinidad, then moving northwards and westwards along the island chain through Jamaica and the Cayman Islands to British Honduras, and concluding with Guyana.

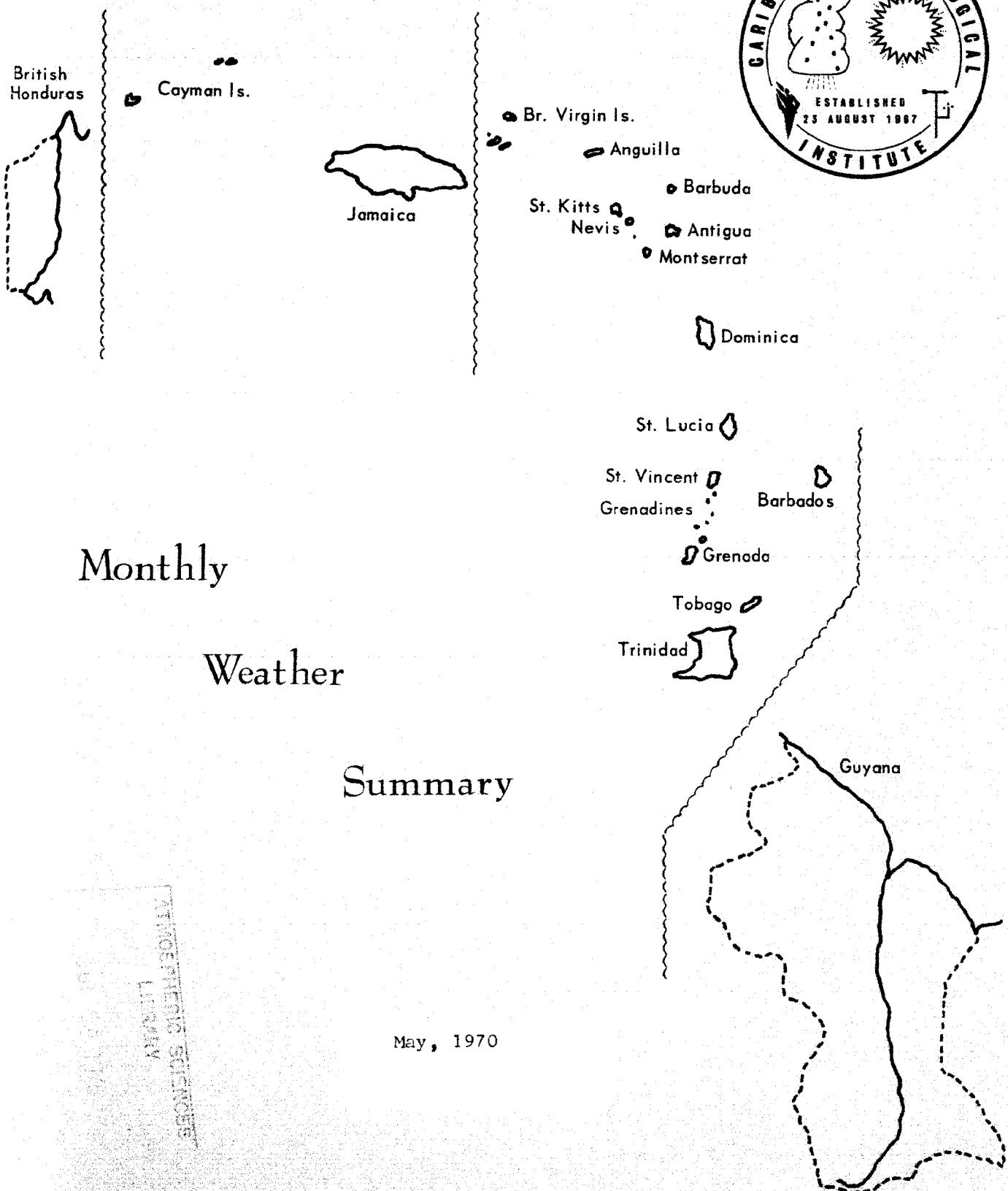
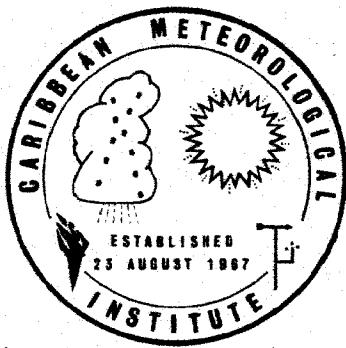
6. A blank space indicates that data are not available, or were considered unreliable.

TABLE I

1. This table gives summaries of observations made at fixed hours, LST. At synoptic stations these are the main synoptic reporting hours (00, 06, 12 and 18h GMT). At other stations they are the one or two hours at which observations are made each day.

2. The mean dry bulb and wet bulb temperatures are the averages of the 30 or 31 (28 or 29 for February) daily values as measured at that time of day. The mean vapour pressure is similarly the average of the 30 or 31 computed daily values. On the other hand, the mean relative humidity is computed as the ratio of the mean vapour pressure to the saturation vapour pressure at the mean dry bulb temperature.

3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.



MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

May, 1970

CONTENTS

1. Notes on the observations and Summaries
2. Table I: Summary of observations at fixed hours
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NOTES ON THE OBSERVATIONS AND SUMMARIES

GENERAL

1. Summary data may not appear in the tables each month for all the stations in the network, since returns are sometimes delayed from some stations. It is expected that supplementary tables, incorporating previously missed data, will be published from time to time. A complete station list is published in the January issue each year, and maps showing the approximate location of the stations in the April, July and October issues.
2. Thermometers are exposed in louvred wooden screens with their bulbs approximately 4 feet above the ground. Forced ventilation of the wet and dry bulb thermometers is not generally used.
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4. Local Standard Time (LST) in British Honduras is 6 hours behind Greenwich Mean Time (GMT); in Jamaica and the Cayman Islands, it is 5 hours behind, and in the rest of the countries, it is 4 hours behind. For some of the daily observations the unit of time is the calendar day; for others, it is the 24-hour period commencing at the time of the morning observation on that date and called the "climate day".
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3. Barometric pressure is generally measured only at synoptic stations. The values given are the means of the 30 or 31 daily observations at that time, each reduced to mean sea level before being averaged.

II

4. The observation hour windspeed is generally read from an indicator, but at some stations it is taken from the anemograph chart. The average of the 30 or 31 daily values is given in this table. They must be considered as indicating only the mean speed during the month for a particular time of day, and a mean daily windspeed should not in general be calculated from them. This is particularly true of stations with only one or two hourly observation times, and at those where the four synoptic hour values indicate a significant diurnal effect.

5. Cloud cover is observed at synoptic stations and reported as the fraction of the sky (in eighths) that is occupied by cloud. The mean amount given here is the average of the 30 or 31 daily reports for that time of day. The number of days on which the sky was clear at that time of day (0 eights), mostly clear (1, 2), partly cloudy (3-5) mostly cloudy (6, 7) or overcast (8) is given in the following columns. An entry in the column headed "9" would indicate an observation for which the sky was either partially or wholly obscured (as, for instance, by fog). It should be noted that the total number of observations in the six columns will be equal to the number of days in the month, unless an observation was missed.

6. Visibility is reported from the synoptic stations in terms of the number of miles (or yards) at which objects are clearly distinguishable. This is customarily "10 or more miles" unless some obscuring material (usually haze, smoke, fog or rain) is present in the air.

TABLE II

1. This table gives summaries of the usual daily observations. All stations listed in Table I should also have entries here. In addition, stations observing only rainfall and/or temperature extremes, will be included in Table II but not in Table I.

2. The rainfall data are from the standard raingauges at each station. The observation is taken in the morning usually at 12h GMT (i.e. at 6 to 8 A.M. LST) and is entered to the previous day. The "climate day" thus terminates at the time of the following morning's observation and not at midnight. The most rain in a day, the date on which it occurred, and the number of days with amounts exceeding .04, .40 and 1 inch, all refer to the "climate day".

3. Maximum and minimum temperatures are read in the morning, with the maximum being entered to the previous day. As indicated, the mean daily temperature given in this table is the average of mean maximum and mean minimum temperatures. The highest maximum and lowest minimum observed during the month are also given.

4. The grass minimum temperature is found from a thermometer exposed to the atmosphere at a height of 2 inches above the ground. The mean of the 30 or 31 daily values is given in the table.

5. At synoptic and a few other stations, the observer is asked to note the occurrence of thunder, fog, hail or gale (i.e. a mean windspeed in excess of 34 knots). The total number of calendar days

III

during the month with such occurrences is given here. It should be emphasized that unless the station is manned continuously, these events, particularly thunder, are likely to be under-counted.

TABLE III

1. The wind mileage data are from totalizing cup anemometers set 6 feet above the ground. The counters are read at the morning observation hour and are entered to the previous day. It should be noted that, as the mean hourly windspeeds calculated from these values would refer to a 6 foot height, they will be significantly lower than those means that may appear for the same stations in Table V.

2. Evaporation is usually measured using a Class A pan, a metal container 4 feet in diameter and 10 inches deep, which is exposed on a wooden platform just above the ground. The water depth in the pan is maintained at between 7 and 8 inches, with changes in the level being measured at each morning's observation. The total water loss for the month is given in the table together with the maximum daily loss during the month and the date on which it occurred.

3. Soil temperature extremes are read in the morning; the maxima being entered to the previous day. The mean maximum, mean minimum and extremes are given for the two depths that are most frequently instrumented at the various stations.

4. Radiation measurements are mostly from Gunn-Bellani pyranometers that are read in the morning and are entered to the previous day. While the most and least in a day will refer to the climate day, there will be little difference for solar radiation between climate and calendar days as the morning observation is generally taken shortly after sunrise.

TABLE IV

1. This table gives maximum rainfall amounts during specified periods of time, as determined from the charts of recording rain-gauges.

2. It is important to note that, presently, the measurement of maximum amounts at some stations is confined to single 24-hour periods (the climate, or rainfall day) while at others two daily charts may be combined when necessary for the determination of maximum amounts. These two procedures are likely to produce divergent results only for the 6 and 12 hourly periods, with the former method tending to under-record these maximum amounts.

TABLE V

1. This table gives mean windspeeds and details of the highest winds recorded at stations possessing anemographs. These figures normally relate to heights of between 30 and 60 feet above the ground.

2. For each hour during the month a mean windspeed to the nearest knot is read off the chart. The prevailing wind direction to the nearest 10 is also given. The highest speed for any clock hour

is given in this table, together with the corresponding direction and time and date of occurrence.

3. The direction, speed and occurrence time of the highest gust during the month is also given. While response characteristics of the different anemographs in use varies, this will generally represent the speed over a 2-5 second averaging time.

4. The number of hours during the month in which one or more gusts occur that exceed 33, 47 and 63 knots (i.e. Beaufort force 7, 9 and 11 respectively), are given in the next three columns. These values correspond to 38, 55 and 72 miles per hour.

5. The average of all the hourly anemograph values during the month is given in the last column. At stations where the diurnal effect is relatively small, this figure and the average of the four windspeed entries for synoptic stations in Table I should be reasonably close.

TABLE VI

1. This table gives summaries of the hourly and daily amounts of sunshine, measured by Campbell-Stokes sunshine recorders. The time scale produced by the recorder and used here is centred on solar noon and is referred to as local apparent time (LAT). Except for the Cayman Islands, local apparent time does not differ from the local standard time by more than ± 10 minutes on average.

2. During each hour the amount of direct sunshine is measured in tenths of an hour. The mean duration figures given here are the averages of the 30 or 31 daily values for that hour; as they are in hundredths, they can also be considered as giving directly the percentage of time that the sun shone for each hour during the day.

3. The total duration in hours will be equal to the sum of the previous columns times the number of days in the month. It is also expressed as a percentage of the maximum amount possible, based on the stations' latitude and the season.

4. The most sunshine in any day and the date of occurrence are given; where two or more days are tied for maximum, only the earlier date is listed.

5. The number of days with sunshine amounts in different ranges is given in the last part of the table. The sum of the entries here should equal the number of days in the month. Where they do not, it indicates that one or more values have been missed; provided that fewer than 6 days are missing, the monthly total duration will have been adjusted to represent the whole month.

TABLE 2.—SUMMARY OF OBSERVATIONS AT FIXED FIGURES.—MAY '70

OBSEVATIONS AT FIXED HOURS -

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY '70
(CONTINUED)

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS - May '70
(CONTINUED)

COUNTRY	STATION	MEAN TEMPERATURE AND HUMIDITY						TOTAL CLOUD AMOUNT (eights)			VISIBILITY (No. of Observations) (miles)		
		HEIGHT ABOVE MSL		SUN		WET BULB		REL. PRESS		MEAN PRESSURE REDUCED TO ASL		MEAN WIND SPEED kt.	
		ft	ft	LST	OP	C _T	C _P	mb	%	mb	mb	mb	mb
GUYANA	HOSORORO	08	78.2	76.1	30.0	91							
	KAWARANG	14	82.6	77.7	30.3	90							
		08	72.3	71.0	25.3	94							
	NABARUWA	165	08	78.5	76.3	30.0	90	1011.7	1.9	5.9	0	10	15
GUYANA	MABARUM MAHAICONY ABARY RDS	185	14	82.5	77.2	29.5	79	1010.8	5.5	6.7	0	0	24
	MATTHEWS RIDGE	6	08	78.8	75.9	29.1	87						
		14	84.1	78.1	29.6	77							
		08	76.1	74.9	29.0	94							
		14	80.3	76.5	29.4	84							
GUYANA	MAZARUNI PRISON	47	08	78.3	75.9	29.5	89						
	NON REPOS	14	81.7	77.3	30.1	82							
		08	80.2	76.2	29.2	83							
	NEW AUSTERDAM	5	14	83.8	76.7	28.4	72						
		08	80.0	76.4	29.5	85							
GUYANA	NEW ANSTERDAM PORT KAITUMA	5	14	85.1	78.0	29.1	73						
		08	86.5	78.0	29.9	73							
		14	83.0	78.1	30.6	80							
	TIMEHRI AIRPORT	95	02	74.3	74.1	28.6	99	1011.4	0.0	5.4	0	7	15
		08	77.6	76.0	29.9	92	1012.9	2.1	6.5	0	1	19	6
GUYANA	TIMEHRI AIRPORT	95	14	84.1	77.8	29.7	74	1010.4	7.2	6.8	0	1	29
	TIMEHRI CHS	08	77.7	76.3	30.4	94							
		14	83.4	78.3	30.9	80							
	WAUNA	08	76.6	75.8	30.1	96							
GUYANA	WAUNA	14	82.4	77.3	29.8	80							

TABLE II - SUMMARY OF DAILY OBSERVATIONS - MAY 1910

TABLE II - SUMMARY OF DAILY OBSERVATIONS - MAY '70
(CONTINUED)

COUNTRY	STATION	RAINFALL (Inches)				AIR TEMPERATURE (°F)				NO OF DAYS WITH			
		TOTAL AMOUNT	MOST IN A. DAY	NUMBER OF DAYS WITH MORE THAN .40	DATE OF .40	MEAN MAX	MEAN MIN	EXTREMES (A+B)	MEAN MAX	MEAN MIN	GRASS SHRUBS MULCH	TOTAL DURATION HR	RAIN EXCL EVAP
JAMAICA	DALLAS	18.77	7.85	21	12	7	4	82.5	85.5	73.3	79.4	87	67
	EAST ALBION NURSERY	8.97	1.97	21	0	5	4	85.5	88.6	66.7	77.6	93	63
	EMPIRE NURSERY	4.93	2.47	20	4	2	2	88.6	88.6	66.7	77.6	93	63
	FARM HILL	26.94	15.14	21	1	6	3	81.4	63.6	72.6	85.6	78	57
	FROME	21.08	2.00	31	14	7	6	89.1	72.6	60.8	93.6	82	61
JAMAICA	HALLS DELIGHT	20.27	8.92	21	16	6	3	76.1	63.3	69.6	82.2	90	59
	HOPE GARDENS	16.08	5.30	21	9	8	5	86.5	61.8	74.2	80.5	91	65
	IRWIN	9.82	2.20	19	1	6	5	87.0	70.5	78.8	81.6	81	63
	KINGSTON ST. GEORGES	12.25	4.60	20	8	4	4	87.5	74.1	80.9	90.7	81	63
	MARSHALLS PEN	16.26	3.15	10	19	12	4	80.4	64.5	73.0	86	60	59
JAMAICA	MASON RIVER FIELD	21.31	5.00	22	18	9	7	81.6	63.0	72.2	87	70	60
	MONTEGUO BAY AIRPORT	5.39	2.09	26	9	5	1	86.1	73.5	79.9	87	70	60
	MONYMUSK	10.23	3.40	21	11	7	4	90.3	71.3	80.5	92	69	60
	NORANT POINT LH	6.58	2.84	19	8	4	2	86.5	74.4	80.4	89	69	60
	NEGRIL POINT LH	4.82	2.17	19	11	3	1	89.5	74.2	81.9	95	71	60
JAMAICA	ORANGE RIVER	11.59	2.58	20	14	8	5	68.8	68.8	76.7	82.5	92	66
	PALISADOES AIRPORT	10.55	4.70	20	4	3	3	88.1	76.7	82.5	92.7	73	65
	RICHMOND	6.04	1.35	20	8	6	2	84.1	72.3	78.3	86	69	60
	SMITHFIELD	13.80	2.94	17	13	9	6	83.3	70.2	76.7	86	66	60
	WORTHY PARK	17.45	5.45	20	12	7	4	84.2	66.4	75.3	87	63	60
BR. HONDURAS	BELIZE AIRPORT	5.41	4.02	16	6	2	1	89.3	73.4	81.3	95	64	60
	BARTICA POTATO RD	11.81	1.60	12	19	12	5	90.5	72.1	81.3	93	69	60
	GEORGETOWN BOT GDN	9.43	3.78	13	24	7	5	84.5	75.4	80.0	92	70	60
	HOSORODD	13.44	2.28	17	24	11	5	88.0	75.0	80.5	92	70	60
	KAWARANG	11.78	1.77	14	22	11	2	84.4	69.1	76.7	87	66	60
GUYANA	WABARUNA WAHACONY ABARY RDS	14.34	2.09	9	22	11	6	86.3	73.4	79.8	90	71	60
	WAHACONY ABARY RDS	9.26	1.64	13	20	6	3	86.3	72.2	79.6	88	71	60
	WATTHEWS RIDGE	7.11	1.18	12	22	4	3	87.0	72.2	79.6	91	71	60
	WAZARUNI PRISON	14.15	2.00	31	23	16	4	87.1	73.0	80.1	90	71	60
	NON REPOS	10.89	3.50	13	20	8	2	85.3	75.1	80.1	89	72	60
GUYANA	NEW AMSTERDAM	9.99	3.57	15	24	6	2	86.6	74.5	80.6	89	72	60
	PORT KAITUMA	11.08	1.42	6	24	12	2	89.3	71.1	79.7	94	68	60
	TIMEHRI AIRPORT	15.78	2.07	15	22	13	6	86.7	73.1	79.9	91	72	60
	TIMEHRI CHS	14.47	1.92	13	23	11	7	87.1	70.7	78.9	91	68	60
	WAUNA	11.58	1.50	8	24	12	3	86.6	71.2	78.9	91	68	60

179.6

TABLE III - SUMMARY OF ATMOSPHERIC OBSERVATIONS - MAY '70

COUNTRY	STATION	RUN OF WIND (in. miles)	EVAPORATION (inches)	SOIL TEMPERATURES								TOTAL RADIATION (calories)		
				At 2 inch Depth				At 4 inch Depth				EXTREMES	TOTAL	HGT
				TOTAL HGT	DAILY AMOUNT	IN A MEAN DAY	IN A MEAN DAY	DATE MAX	DATE MIN	MEAN MIN	MEAN MAX			
TRINIDAD	PIARCO AIRPORT	94	126											
	ST AUGUSTINE UNI	37	53											
GREENADA	MIRABEAU	75	110	6.40	2.7	28								
BARBADOS	HUSBANDS CMI	164	229											
JAMAICA	BODLES	80	157											
	CEDAR VALLEY	24	44											
	DUCKENFIELD	43	109	5.88	2.9	7								
	ORANGE RIVER	78	151					90.6	74.9	98	5	72	89.5	80.8
	SMITHFIELD	78	151					91.3	74.9	98	5	71	86.6	79.4
GUYANA	GEORGETOWN BOT GDN	65	124											
	KAWARANG	37	59	4.85	2.6	8								
GUYANA	WAUNA	30	53											

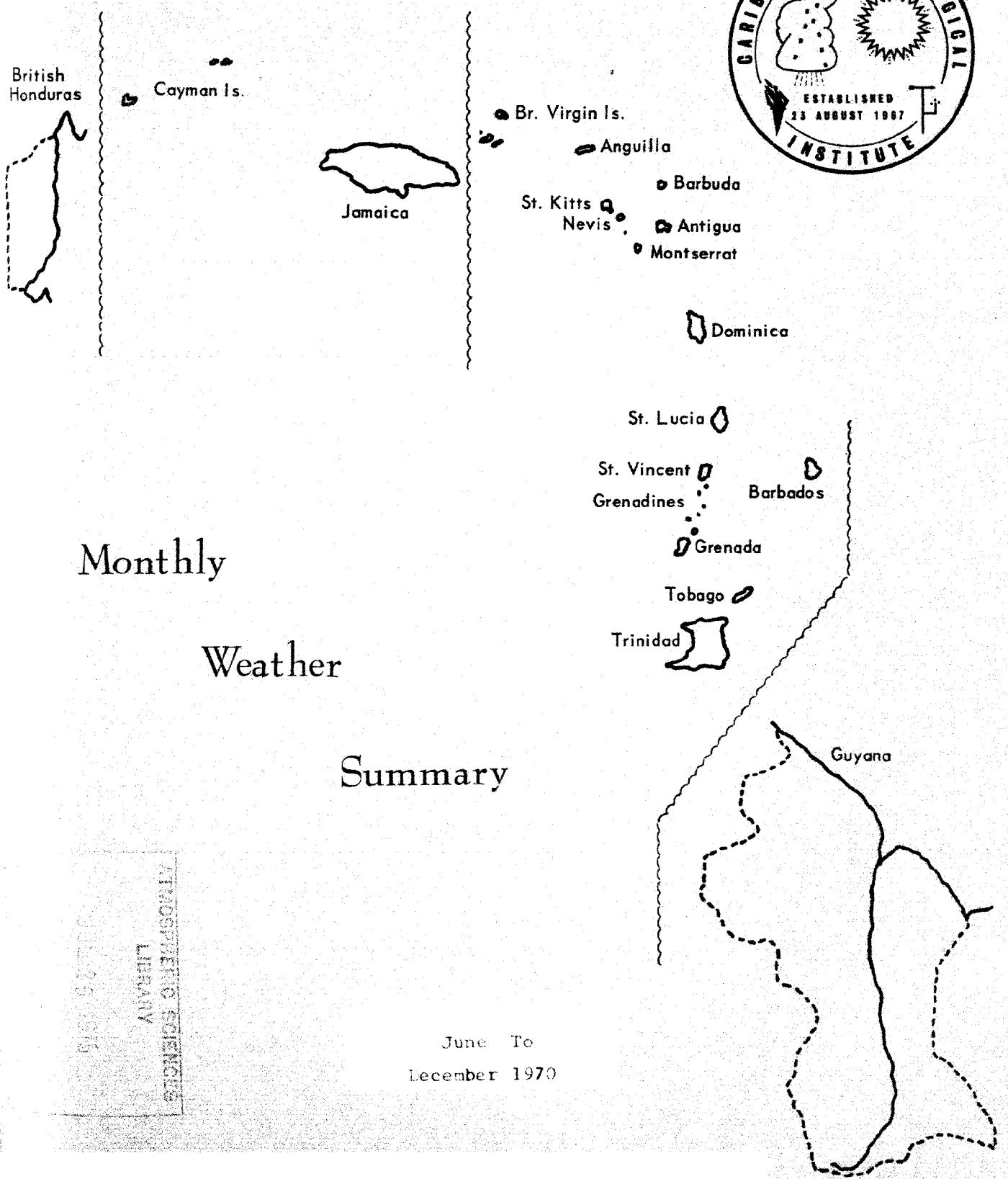
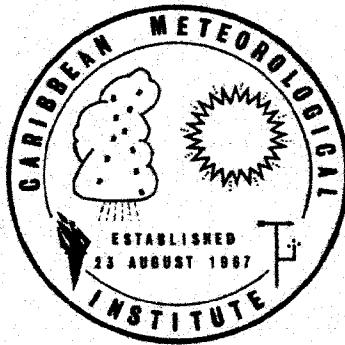
TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - MAY '70

COUNTRY	STATION	MAXIMUM AMOUNTS (inches) DURING SPECIFIED PERIODS OF TIME											
		5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours	24 hours	48 hours	72 hours	96 hours
TRINIDAD	CENTENO	.20	.24	.32	.35	.60	.75	.85	.85	.85	.85	.85	.85
	PIARCO AIRPORT	.28	.45	.59	.62	.98	1.09	1.13	1.16				
	STAUGUSTINE UNI	.21	.32	.38	.41	.42	.42	.42	.42				
TOBAGO	CROWN POINT AIRPORT	.16	.18	.20	.30	.39	.48	.54	.56				
GRENADA	MIRABEAU	.28	.31	.33	.53	.73	.81	.81	.81				
BARBADOS	HAGGATTS STA	.45	.56	.56	.58	.58	.60	.60	.60				
	HUSBANDS CMI	.21	.32	.38	.41	.42	.42	.42	.42				
	LION CASTLE ST T	.16	.17	.17	.17	.24	.24	.24	.24				
	SEATELL AIRPORT	.17	.27	.29	.42	.61	.73	.73	.73				
	BODLES	.48	.75	1.22	1.49	2.00	2.14	2.50	2.50				
	SMITHFIELD												
	GEORGETOWN BOT GDN	.28	.56	.60	.60	1.10	1.78	2.24	2.24				
	WAHATCONY ABARY RDS	.30	.59	.99	1.18	2.16	2.94	3.4	3.4				
	TIMEHRI CHS	.28	.52	.52	.66	1.56	1.93	1.94	1.94				
JAMAICA	WAUNA	.20	.32	.52	.61	.84	1.05	1.54	1.54				
		.36	.44	.45	.46	.56	.97	1.11	1.11				

TATE & SONS LTD OF WINCOPPEL RECORDS * MAY '70

TABLE VI - SUMMARY OF SUNSHINE RECORDS - MAY '70

COUNTRY	STATION	MEAN DURATION (Hundreds of an hour) DURING SPECIFIED HOUR-STATISTICAL PERIODS												NO OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)		
		9-6	9-7	9-8	9-9	10-6	10-7	10-8	11-6	11-7	11-8	12-6	12-7	12-8	12-9	
TRINIDAD	CENTENO PIARCO AIRPORT	0 15 65 63	75 70 71	73 68 73	65 50 35	0	224·2	57 11·7	26 0	3 9	9 10	0	3 9	9 10	0	
	ST AUGUSTINE UNI	1 42 66 71	77 69 71	64 62 71	53 32 0	0	231·5	59 12·0	21 0	3 7	7 11	0	3 7	7 11	0	
	ST AUGUSTINE UNI	0 28 69 80	84 77 69	66 74 80	78 22 29	0	234·5	60 11·0	8 0	3 6	9 13	0	3 6	9 13	0	
TTOBAGO	CROWN POINT AIRPORT	0 27 60 77	81 76 78	81 82 83	85 64 36	0	257·2	66 11·6	26 0	0 0	9 8	14	0	0 0	9 8	14
GRENADA	WIRABEAU	0 35 55 65	75 78 77	83 85 78	59 45 20	0	234·4	60 10·9	26 0	3 4	4 16	8	0	3 4	4 16	8
BARBADOS	HUSBANDS CIVI	0 51 72 79	82 85 89	90 92 86	78 71 47	1	286·1	72 11·5	14 0	0 0	4 9	18	0	0 0	4 9	18
	SEAWELL AIRPORT	0 33 74 87	93 93 93	93 94 93	82 85 44	1	302·3	62 11·9	21 0	1 1	4 7	24	0	1 1	4 7	24
	BODLES	0 52 71 75	73 80 71	60 58 62	55 47 20	1	222·5	55 11·6	15 0	1 1	4 7	24	0	1 1	4 7	24
	DUCKENFIELD	0 41 71 79	79 72 72	65 68 68	65 47 22	1	251·7	57 11·6	25 3	3 5	6 15	0	3 5	6 15	0	
	MONTEGO BAY	0 34 67 76	85 81 67	66 63 56	54 46 24	1	222·1	55 11·2	3 1	2 1	6 12	10	0	2 1	6 12	10
JAMAICA	MONY MUSK	0 2 42 52	65 65 66	71 74 77	72 72 53	1	214·0	55 11·0	25 0	4 4	5 9	12	0	4 4	5 9	12
	ORANGE RIVER	0 28 53 56	59 59 59	50 56 47	44 37 26	18	1 167·4	42 10·2	16 4	2 7	4 10	6	0	2 7	4 10	6
	PALISADOES	0 45 55 55	68 75 74	67 66 64	53 46 32	0	207·5	52 11·2	15 0	3 6	7 12	8	0	3 6	7 12	8
	SMITHFIELD	0 45 59 78	83 88 82	73 71 57	51 45 34	4	240·8	60 11·8	7 0	3 6	7 15	0	3 6	7 15	0	
	GEORGETOWN BOT GDN	0 3 45 50	60 67	55 63	62 59 64	52 24 0	169·0	49 10·7	4 4	2 5	6 12	6	0	2 5	6 12	6
GUYANA	MAHICONY ABARY RDS	0 16 36 54	52 52	58 65	69 71 70	59 51 24	0	188·8	51 11·1	19 0	6 6	11	7	0 6	6 11	7
	MAZARUNI PRISON	0 1 40 44	49 49	45 45	37 29	20 17 0	0	111·7	34 7·9	4 4	3 13	10	5	3 13	10	5
	MON REPOS	0 22 42 52	66 64	57 66	67 72	68 59 23	0	204·4	53 11·0	25 1	5 11	6 8	0	5 11	6 8	0
	TIMEHRI CHS	0 35 68 53	58 63	51 52	43 40	43 35 22	0	179·6	46 10·2	4 0	6 6	10	5	6 10	10	5



MONTHLY WEATHER SUMMARY

Prepared and published by the
Caribbean Meteorological Institute
Husbands, St. James, Barbados, W.I.

**June To
December 1970**

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**June To
December 1970**

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1. June 1970 Tables 1 to 6
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For each month, the titles of tables are:

- Table I: Summary of observations at fixed hours
Table II: Summary of daily observations
Table III: Summary of agrometeorological observations
Table IV: Summary of rainfall intensity records
Table V: Summary of wind speed records
Table VI: Summary of sunshine records

TAKEN IN THE STATE OF CALIFORNIA, AND INDEXED AND FILED IN THE CLERK'S OFFICE, JUNE 27, 1900.

CELINE 12

COUNTRY STATION	HEIGHT ABOVE MSL ft.	MEAN TEMPERATURE AND HUMIDITY				PRESSURE REDUCED TO MSL. mb	MEAN WIND SPEED kt.	TOTAL CLOUD AMOUNT (eights)				VISIBILITY (No. of Observations) (miles)			
		DRY BULB °F	WET BULB °F	VAPOR PRESS in.	REL HUM %			Number of Observations	MEAN APT	0	1,2	3-5	6,7	8	9
JAMAICA	BODLES	60	67	77.0	74.9	28.7	91								
	CEDAR VALLEY	1980	67	77.3	79.4	30.8	69								
	CEDAR VALLEY CINCHONA GARDENS	1980 4897	13 68	80.7 64.3	74.1 62.3	25.8	70								
	DALLAS	950	69	81.5	65.8	20.7	89								
	DUCKENFIELD EAST ALBION MURS	60 90	68 71	84.3 81.5	78.5 75.2	30.7	76								
	EMPIRE NURSERY	2130	73	86.8	77.8	28.5	66								
	FARM HILL	4020	67	66.7	64.4	19.7	88								
	HALLS DELIGHT	3020	73	77.1	65.1	16.0	50								
	HOPE GARDENS	712	67	80.1	74.0	20.3	77								
	IRWIN	80	68	76.1	75.2	28.5	87								
	KINGSTON ST GEO	90	67	85.9	79.2	31.1	75								
	MARSHALLS PEN	2300	73	80.1	74.8	27.8	79								
	MARSHALLS PEN MASON RIVER FIELD	2300 2300	73 67	87.7	79.3	30.7	69								
	MONTEGO BAY APT.	3	71	70.7	65.8	19.6	76								
	MONTEGO BAY APT.	3	71	72.3	70.4	25.4	68								
	MONYMUSK MORANT POINT LH	30 6	68 71	82.1	74.2	25.1	68								
	MORANT POINT LH	6	71	81.2	74.3	26.0	90								
	NEGRI L H	6	71	71.7	69.3	23.1	88								
	NEGRI POINT LH	6	71	78.7	74.9	27.8	85	1014.3	2.8	2.4	0	2.2	1	6	0
	ORANGE RIVER	9.50	68	79.5	75.8	28.8	84								
	PALISADES APT	9	61	81.1	75.1	27.1	75	1014.1	2.3	2.8	0	1.9	4	7	0
		9	67	82.0	74.8	26.3	71	1013.9	2.9	3.5	1.3	8	8	0	0

TABLE I - SUMMARY OF OBSERVATIONS AT FINED HOCKS - JUNE '70
(CONTINUED)

(CONTINUED)

COUNTRY STATION	TOTAL AMOUNT	HOST IN A DAY	NUMBER OF DAYS WITH DURE THAN DATE	AIR TEMPERATURE F			MEAN MAX	MEAN MIN	EXTREES 3(A+B) MAX MIN	MEAN GRASS MIN	TOTAL SUNSHINE DURATION	MEAN HR	FROZEN HRS	HAIL	GALVE	NO OF DAYS WITH
				A	B	.04 .40 1.00										
TRINIDAD																
PIARCO AIRPORT	10.25	1.13	7	26	11	1	86.9	74.3	80.6	90	72	172.8	3	0	0	0
ST AUGUSTINE UNI	10.26	1.34	21	22	9	4	87.1	73.0	80.0	90	70	175.3	4	0	0	0
TOBAGO																
CROWN POINT APT	8.48	1.64	17	18	9	1	87.6	76.3	82.0	91	70	202.9	1	0	0	0
GRENADE																
MIRABEAU	8.52	1.36	12	18	9	1	94.5	75.3	79.9	86	71	157.6	5	0	0	0
MOUNT HORNE	8.59	1.65	13	17	7	3	85.6	74.0	79.8	88	69	190.0	0	0	0	0
BARBADOS																
HUSBANDS CMI	6.70	2.55	13	15	4	2	87.4	74.9	81.2	91	72	225.4	2	0	0	0
SEAWELL AIRPORT	5.78	1.96	13	14	5	1	87.1	77.0	82.0	90	73	223.5	0	0	0	0
ST LUCIA																
ROSEAU WINDBAN	12.4															
VIGIE AIRPORT	12.33	3.06	13	23	9	3	87.4	75.3	81.4	90	70	185.3	0	0	0	0
DOMINICA																
MELVILLE HALL AP	16.00	2.68	12	20	10	5	84.6			89		108.9	0	0	0	0
ANTIGUA																
COOLIDGE AIRPORT	7.60	1.33	14	19	7	2	84.9	75.9	80.4	86	72		2	0	0	0
DUNBARS	6.92	1.73	15	16	4	2	85.0			87						
JAMAICA																
HERNARD LODGE	*.71	*.47	28	2	1	0	90.8	71.4	81.1	92	68					
BODLES	1.07	*.53	5	3	1	0	88.9	64.6	76.8	91	61					
CAENWOOD	4.35	1.62	2	10	3	2	84.9	70.3	77.6	88	67	68.5		207.5		
CEDAR VALLEY	5.55	1.60	19	7	5	2	83.4	65.8	74.6	87	62					
CINCHONA GARDENS	2.68	*.87	19	8	3	0	73.0			78						
DALLAS	4.81	1.45	16	12	5	5	88.1	75.4	81.7	89	71	279.0				
DUCKENFIELD	.75	*.50	16	3	1	1	86.3			91						
EAST ALBION NURS	3.04	1.35	17	6	2	2	89.4	69.6	79.5	93	66					
EMPIRE NURSERY	.79	*.22	22	5	0	0	83.3	65.3	74.3	87	61					
FARM HILL	2.44	*.86	18	7	3	0	78.0	63.2	70.6	81	60					
FROWE	11.77	1.41	17	18	10	5	90.4	72.8	81.6	92	70					
HALLS DELIGHT	*.98	*.32	19	5	0	0	79.2	65.0	72.1	84	63					
HOPE GARDENS	1.70	1.23	19	3	1	1	89.8	62.5	76.2	92	59					
IRWIN	4.04	1.82	7	10	3	1	89.1	71.3	80.2	93	59					
KINGSTON ST.GEO	.50	*.17	13	4	0	0	90.3	76.0	83.1	93	74					

TABLE II - SUMMARY OF FAIRY OBSERVATIONS - JUNE '70
(CONTINUED)

LOCATION SIGHTING	RAINFALL (INCHES)			AIR TEMPERATURE F			NO OF DAYS WITH				
	TOTAL AMOUNT	POST IN A D.Y.	NUMBER OF DAYS WITH MEAN, MAX, MIN	MEAN		EXTREMES	MEAN GRASS MIN MAX HR	MEAN HUMIDITY	FOG	HAIL	GALE
				MAX	MIN						
JAMAICA											
MARSHALLS PEN	6.47	3.00	20	8	3	2 82.8	66.9 74.8	86 64	63+3		
NASON RIVER FIEL	6.69	1.33	9	16	7	2 83.8	65.3 74.6	89 61			
MONTEGU BAY APT	1.84	1.40	20	4	1	1 88.0	74.8 81.4	90 72	234+6	10	0 0 0
MONYMUSK	1.54	1.00	19	3	1	1 89.7	72.4 81.0	93 69			
NORANT POINT LH	2.84	.92	17	6	3	0 88.1	77.1 82.6	89 73			
NEGRI POINT LH	5.85	1.91	2	14	3	2 90.7	74.4 82.5	96 72			
ORANGE RIVER	1.86	.57	18	8	2	0 84.7	70.2 77.5	87 67	248+4		
PALISADDES APT	.16	.11	17	2	0	0 90.1	78.6 84.4	93 76	231+0	4	0 0 0
RICHMOND	6.34	3.19	2	8	3	2 86.5	73.3 79.9	88 70			
SMITHFIELD	16.71	5.22	11	19	1	6 85.3	70.4 77.9	88 68	231+1		
WORTHY PARK	1.96	.58	17	11	1	0 87.2	66.7 76.9	90 62	185+0		
BELIZE											
BELIZE AIRPORT	14.01	6.04	5	15	8	2 87.5	76.9 82.2	89 72	215+7	11	0 0 0
GUYANA											
BARTICA POTARO R	11.41	1.97	3	20	8	5 89.0	73.1 81.1	92 69			
GEORGETOWN BOT G	14.55	3.97	25	22	12	4 84.9	74.8 79.9	87 72	72+3	182+5	4 0 0 0
HOSORORO	17.06	2.26	25	24	15	5 86.8	72.2 79.5	91 71	1 0	0 0 0	
KAMARANG	15.37	2.11	23	26	14	5 83.2	67.8 75.5	87 63	65+5	165+9	2 17 0 0
NABARUMA	19.04	3.40	25	23	14	5 86.0	72.5 79.3	89 71		4	2 0 0
WAHAI CONY ABARY	12.38	2.08	25	20	8	5 86.3	74.8 80.6	88 70	157+7		
MATTHEWS RIDGE	10.13	1.98	10	24	8	3 85.7	71.3 78.5	89 70			
MAZAHUNI PRISON	12.67	2.50	21	26	14	2 87.9	73.2 80.6	90 71	101+9	10	8 0 0
NON REPOS	11.23	2.70	25	22	8	3 85.8	74.9 80.4	88 71	201+7		
NEW AMSTERDAM	7.70	1.77	21	23	5	2 87.5	74.5 81.0	89 73			
PORT KAITUMA	8.35	1.39	14	24	5	2 87.8	71.3 79.6	94 69			
TIMEHRI AIRPORT	10.16	1.46	12	24	10	3 87.3	72.8 80.1	93 70			
TIMEHRI CHS	9.30	1.24	12	25	8	2 87.5	70.7 79.1	90 68	71+7	120+9	8 6 0 0
WAUNA	19.00	2.61	25	27	16	8 84.4	71.9 78.1	89 69	126+3	11	0 0 0

TABLE II - SUMMARY OF DAILY OBSERVATIONS - JUNE 1970
RAINFALL ONLY

COUNTRY STATION	RAINFALL. (INCHES)					NUMBER OF DAYS WITH MORE THAN .04 INCHES
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH MORE THAN .04 INCHES		
TRINIDAD						
COCAL EST	10.30	1.39	7	24	10	2
GREEN HILL RIVER	7.24	1.23	25	21	6	2
GUAYAGUAYARE	12.03	1.92	12	16	12	3
LA PASTORA	6.52	1.13	7	17	7	2
MATELOT	13.57	1.68	17	21	12	5
NAVET DAM SITE	16.26	1.86	7	25	15	5
POINT FORTIN	11.16	2.05	27	23	8	3
PORT OF SPAIN R	8.32	2.10	30	18	8	2
QUAREDAM HOLLIS	15.19	1.86	30	23	15	9
WATERLOO EST	9.77	1.41	7	22	7	2
TOBAGO						
CASTARA	11.76	2.96	11	23	10	2
HILLSBOROUGH DAM	10.02	2.30	13	21	8	2
MORIAH	7.99	1.58	16	20	7	3
PLYMOUTH WHITE R	6.92	1.29	14	16	7	2
SCARBOROUGH BOT	7.90	1.25	21	16	9	2
SPEYSIDE	7.59	1.29	13	24	5	3
BARBADOS						
BELLE ST M	6.90	2.28	13	15	5	3
CASTLE GRANT ST	10.16	3.69	13	20	7	2
CLIFTON HALL ST	9.18	3.66	13	17	6	2
EDGE CUMBE ST P	7.82	2.04	13	10	1	0
HAGGATTS ST A	5.46	2.59	13	15	4	1
HOLETOWN ST JA	6.78	2.54	13	6	0	0
LION CASTLE ST T	9.24	2.60	13	21	8	2
PORTLAND ST PE	6.92	2.56	13	18	5	1
RIVER ST P	6.88	2.07	13	15	5	2

TABLE III - SUMMARY OF AGROMeteorological OBSERVATIONS - JUNE 1960

COUNTRY STATION	RUN OF WIND (in. miles)	EVAPORATION (inches)			SOIL TEMPERATURES °F At 2 inch Depth			TOTAL RADIATION (Calories)				
		MOST DAILY IN A MEAN DAY	TOTAL AMOUNT	LAST IN A DAY	DATE MEAN MAX	EXTREMES	MEAN MIN	MEAN MAX	EXTREMES	TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
TRINIDAD												
PIARC CO AIRPORT	108	165	7•14	•50	14							
ST AUGUSTINE UWI	31	52	3•37	•22	20							
TOBAGO												
CROWN POINT APT			7•15	•49	14							
GRENADA												
MIRABEAU	90	134	5•49	•45	3	97•9	80•5	108	4	76	90•7	80•8
BARSADOS												
HUSBANDS C.M.I	199	265	9•37	4•45	4							
JAMAICA												
BERNARD LODGE			6•84	•42	26							
BODLES	70	109	6•79	•34	11							
CEDAR VALLEY	39	64										
DUCKENFIELD			5•51	•28	27							
EAST ALBION NURS	50	76	8•56	•30	11							
EMPIRE NURSERY	25	61										
FARM HILL	21	90	3•18	•16	11							
HALL'S DELIGHT	27	63										
ORANGE RIVER	40	103										
PALISADES APT	129	200	9•09	•40	7							
SMITHFIELD	55	69	4•60	•25	29							
WORTHY PARK												
GUYANA												
GEORGETOWN BOT G	63	147	4•75	•28	8							
KAMARANG	31	48										
NAHAICONY ABARY	63	138	5•89	•39	20							
TIMEHRI CHS	44	72										
WAUNA	25	53										

WHERE MORE THAN TWO AND LESS THAN FIVE OBSERVATIONS ARE MISSING THE TOTAL IS PRINTED WITH AN M.

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS - JUNE '70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.34	.34	.34	.43	.92	1.09	1.21	1.25
PENALAG STATION	.14	.24	.27	.32	.40	.47	.48	.62
PIARCO AIRPORT	.28	.30	.35	.47	.61	.78	1.02	1.12
ST AUGUSTINE UWI	.35	.50	.69	1.12	1.18	1.24	1.25	
TOBAGO								
CROWN POINT PPT	.41	.63	.67	.80	1.29	1.54	1.58	1.58
GRENADE								
WIRAREAU	.34	.44	.45	.51	.55	.63	1.24	1.35
BARBADOS								
HAGGATTS ST. C	.44	.49	.48	.65	.94	1.37	2.20	2.90
HUSBANDS CHI	.25	.46	.49	.62	.82	1.08	1.56	2.39
LION CASTLE ST. T	.33	.37	.45	.71	.97	1.04	1.76	2.61
SEASIDE AIRPORT	.28	.34	.46	.77	.77	.79	.98	1.48
GUYANA								
EHINI	.22	.38	.56	.68	.81	.93	.97	
GEORGETOWN HOT G	.45	1.00	1.20	1.64	2.60	2.97	3.67	3.97
KAMARANG	.41	.54	.67	.96	1.03	1.42	1.60	1.69
MAHAGONY ABARY	.31	.46	.65	1.07	1.73	2.05	2.04	2.05
MATTHEWS HILL	.73	.92	1.65	1.73	1.98	1.98	1.98	1.98
NEW AMSTERDAM								
TIMEHRI CHS	.40	.80	.95	1.49	1.52	1.63	1.73	1.77
WAUNA	.21	.34	.36	.53	.53	.54	.75	.96
	.80	.92	1.00	1.17	1.65	1.68	2.07	2.61

TABLE V - SUMMARY OF WINDSPEED RECORDS - JUNE '70

TABLE VI - SUMMARY OF SUNSHINE RECORDS - JUNE '70

COUNTRY STATION	MEAN DURATION (hundreds of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT POSSIBLY IN A DAY	PERCENT POSSIBLY IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)		
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22					23-24	24-25	
TRINIDAD	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4		
CENTENO	0.11	0.51	0.53	0.57	0.60	0.65	0.54	0.50	0.41	0.21	0	0	0.45	1.10	3.4	4.5	11.3	4	
PENAL AG STATION	0.6	3.7	4.6	4.9	5.5	5.8	3.6	3.7	3.3	3.9	2.0	8	0	4.5	11.3	4			
PIARCO AIRPORT	0.29	4.2	5.4	5.5	5.5	5.5	5.3	5.7	5.4	4.3	4.4	2.4	0	1.72	8	4.5	11.7	18	
ST AUGUSTINE UWI	0.28	5.0	5.5	5.5	4.9	4.8	4.9	5.8	6.0	5.3	2.9	1.7	0	1.75	3	4.3	11.2	18	
TOBAGO																2	7	8	
CROWN POINT APT	0	2.5	4.8	5.3	6.8	7.2	7.5	6.2	6.7	6.2	5.8	5.6	2.6	0	2.02	9	5.3	11.1	
GRENADA																0	6	5	
MIRABEAU	0	2.9	4.6	5.7	5.9	6.3	6.0	6.1	4.7	4.3	3.3	2.2	5	0	1.57	6	4.1	9.9	
BARBADOS																4	1	8	
HUSBANDS CMI	1	3.3	6.9	6.9	6.8	7.6	7.4	7.7	7.5	7.0	7.0	6.7	4.0	1	2.25	4	6.1	11.3	
SEAWELL AIRPORT	0	3.0	5.8	7.0	7.2	7.3	7.2	7.2	7.0	6.8	6.6	6.0	3.4	0	2.23	5	5.8	11.3	
DOMINICA																10	1	4	
NELVILLE HALL AP	0	1.3	3.2	4.6	5.5	5.5	5.2	3.4	2.0	2.0	1.6	1.4	5	0	1.08	9	2.8	9.4	
JAMAICA																4	6	14	
BODLES	1	5.9	9.3	9.4	9.2	9.1	8.5	8.9	7.7	5.8	4.0	3.9	2.3	0	2.07	5	6.4	11.5	
MONTEGO BAY	0	4.1	7.7	9.2	8.6	8.9	8.6	8.6	7.5	6.4	5.4	4.8	1.4	0	2.34	6	6.2	11.2	
GUYANA																1	0	1	
GEORGETOWN BOT G	0	0	3.5	4.6	5.4	7.0	6.3	6.2	6.9	6.8	6.9	5.6	1.8	0	1.82	5	4.9	10.2	
KAWARANG	0	0	8.28	4.1	4.9	6.0	5.9	5.4	6.4	6.0	6.0	5.3	2.3	0	1.65	9	4.5	9.2	
WAHAICONY ABARY	0	0	9.33	4.5	5.2	6.2	6.5	7.3	8.2	9.0	7.3	5.7	1.7	0	1.06	6	1.7	0	
WAZARUNI PRISON	0	0	5.22	4.3	4.4	4.8	4.0	3.6	2.8	2.3	2.1	2.4	5	0	1.01	9	2.7	8.1	
NON REPOS	0	0	1.7	4.6	5.0	4.9	6.4	6.9	7.1	7.7	7.3	5.6	2.5	0	2.01	7	5.4	11.1	
TIMEHRI CHS	0	0	1.1	3.4	4.0	4.2	4.2	4.0	4.1	4.2	4.2	3.6	2.3	0	1.20	9	3.2	10.7	
WAUNA	0	0	1.39	5.4	4.6	4.9	4.0	3.3	3.9	4.3	2.9	2.7	1.3	0	1.26	3	3.3	9.5	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 70

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 70

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 70

COUNTRY STATION	HEIGHT ABOVE MSL ft	TIME HOUR LST	MEAN TEMPERATURE AND HUMIDITY				PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED kr	TOTAL CLOUD AMOUNT (eighths)			VISIBILITY (No. of Observations)		
			DRY BULB °F	WET BULB °F	VAPOR PRESS. %	REL HUM %			Number of Observations	Yards	miles	Yards	miles	Yards
JAMAICA														
KINGSTON ST GEO	90	07	79.2	74.3	26.7	79								
MARSHALLS PEN	2300	07	87.6	77.9	28.4	64								
MASON RIVER FIEL	2300	07	72.1	68.3	22.0	82	4.0	4.0	2 1 3	5	4	0	7	
MASON RIVER FIEL	2300	07	80.2	74.2	26.8	76	7.7	5.4	0 4	9	12	0	6	
MONTEGO BAY APT	3	01	78.5	74.2	26.9	81	1014.4	2.9	0 6	5	19	1	0	
MONTEGO BAY APT	3	07	85.8	78.3	28.8	66	1014.3	12.9	0 7	4	18	2	0	
MONTYNSK WGRANT POINT LH	30	08	82.8	77.5	29.8	78								
MONTYNSK WGRANT POINT LH	30	01	82.5	79.2	32.6	85	1013.9	5.2	0 4	4	21	2	0	
MORANT POINT LH	6	07	82.2	79.0	32.4	66	6.6	5.0	0 2	14	7	3	0	
MORANT POINT LH	6	13	85.7	80.7	35.5	80	9.0	4.8	0 3	11	14	3	0	
MORANT POINT LH NEGRI POINT LH	6	19	82.0	79.4	32.9	85	7.2	4.5	0 5	11	12	3	0	
MORANT POINT LH NEGRI POINT LH	27	07	77.5	73.7	26.8	83	2.6	1.6	0 6	7	17	5	0	
ORANGE RIVER	950	19	87.5	79.0	30.1	68								
ORANGE RIVER	950	06	60.6	76.2	29.1	82								
RICHMOND PALISADES APT	9	13	80.6	76.3	28.5	81								
RICHMOND SMITHFIELD WORTLEY PARK	120 925 1250	08 07 15	81.4	75.8	28.1	77	1014.5	2.1	0 12	8	7	4	0	
RICHMOND SMITHFIELD WORTLEY PARK	120 925 1250	08 07 15	78.9	73.6	25.9	77	1014.3	2.7	0 6	8	14	3	0	
RICHMOND SMITHFIELD WORTLEY PARK	120 925 1250	07 15	71.7	70.3	24.7	93	1014.4	12.4	0 6	4	14	7	0	
BELIZE	17	06	77.8	76.7	31.1	96	1013.2	2.1	0 2	9	15	5	0	
BELIZE AIRPORT	12	08	84.9	79.7	32.3	79	1014.0	6.4	0 0	5	23	3	0	
BELIZE AIRPORT	18	08	62.7	78.9	32.2	84	1012.4	5.3	0 0	9	20	2	0	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY 70

TABLE II SUMMARY OF DAILY OBSERVATIONS

JULY 70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				TOTAL SUNSHINE DURATION HR				NO OF DAYS WITH THUNDERSTORMS			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN .04 .40 1.00	MEAN	MAX	MIN	MEAN 1/2(A+B) A	MEAN 1/2(A+B) B	EXTREMES MAX MIN	MEAN GRASS AIN °F	MEAN GRASS AIN °F	MEAN GRASS AIN °F	MEAN GRASS AIN °F	MEAN GRASS AIN °F	MEAN GRASS AIN °F
TRINIDAD																
PIAREO AIRPORT	12.73	2.92	12 22 13	2 86.4	75.0	79.7	89 71	180.3	10	2 0 0						
ST AUGUSTINE UNI	11.20	1.70	24 19.11	4 87.0	71.8	79.4	90 69	69.5	170.7	7 0 0						
TOBAGO																
CROWN POINT APT	8.42	1.65	12 20 7	3 85.8	75.0	80.4	88 72	212.0	3 0 0	0 0 0						
GRENADE																
MIRABEAU MOUNT HORNE	12.40	2.75	1 21 7	4 83.8	73.9	78.9	85 71	136.7	5 0 0	0 0 0						
BARBADOS																
HUSBANDS OM1 SEAWELL AIRPORT	10.06 8.37	1.33 1.59	7 26 21	7 4 85.1	74.4	80.0	87 72	211.7	5 0 0	0 0 0						
ST LUCIA																
ROSEAU WINBAN VIGIE AIRPORT	18.32 16.65	4.12 3.07	31 27 14	3 86.5	74.7	80.6	90 72	177.1	6 0 0	0 0 0						
DOMINICA																
MELVILLE HALL AP	11.97	1.41	15 21 11	5 86.3			87	171.7								
ANTIGUA																
COOLIDGE AIRPORT DUNBARS	6.91 5.40	2.76 2.12	7 13 2	2 85.8	77.6	81.7	87 74									
JAMAICA																
BERNARD LODGE	3.25	2.66	30	5 1	91.4	71.9	81.7	95 69	259.0							
BODLES	5.52	2.83	30	9 4	89.5	66.0	77.8	92 62	217.2							
CAENWOOD	15.42	2.12	11	18 15	7	72.3	78 67	69.7								
CEDAR VALLEY	10.85	2.94	29	15 7	3	82.1	65.6	73.8	86 62							
CINCHONA GARDENS	8.28	.79	25	9 4	0	73.4	56.3	64.9	78 45							
DALLAS	5.13	2.02	29	3 2	87.5											
DUCKENFIELD	8.33	1.40	26	19 8	82	88.3	71.7	80.0	97 57	70.5 280.0						
EAST ALBION NURS	7.37	1.49	26	14 5	3	88.2	69.0	78.6	97 66							
EMPIRE NURSERY	6.00	2.81	30	12 3	2	82.6	65.2	73.9	87 63							
FROME	10.26	1.97	17	8 3	89.8	72.0	80.9	93 70	194.7							

TABLE II SUMMARY OF DAILY OBSERVATIONS JULY 70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				MEAN GRASS MIN °F				NO OF DAYS WITH FOG SAIL GALE			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN 0.4 40 100	MEAN	MEAN	MAX	MIN	MEAN 1/2(A+B)	EXTREMES MAX MIN	MEAN	SUNSHINE DURATION HR	MEAN	SUNSHINE DURATION HR	MEAN	SUNSHINE DURATION HR
					A	B	C	D	E	F	G	H	I	J	K	L
JAMAICA																
HALLS DELIGHT	5.61	2.62	29	8	4	79.5	65.0	72.3	86	62						
HOPE GARDENS	3.72	3.04	20	5	1	89.8	62.8	76.3	95	61						
IRWIN	5.91	1.35	30	14	5	89.7	71.1	80.4	93	69						
KINGSTON ST.GEO	5.62	2.65	30	8	3	90.1	75.8	83.0	94	73						
MARSHALLS PEN	19.47	6.97	29	7	6	81.5	67.2	74.4	88	63						
MASON RIVER FIEL	7.22	2.50	30	11	6	81.0	62.0	71.5	86	62						
MONTEGO BAY APT	4.82	2.27	21	11	3	88.1	74.5	81.5	91	72						
MONYMUSK LH	3.59	1.83	31	11	2	89.9	72.8	81.4	92	70						
MORANT POINT LH	7.99	1.40	25	13	9	84.8	74.5	79.7	90	72						
NEGRI POINT LH	11.25	4.39	30	15	7	69.8	74.1	82.0	95	72						
ORANGE RIVER	1.93	0.29	21	11	1	85.9	70.0	77.9	90	67						
PALISADES APT	4.53	2.59	30	8	2	89.5	78.4	83.9	93	74						
RICHMOND	5.14	2.58	28	7	4	87.7	73.2	80.5	89	70						
SMITHFIELD	13.22	3.57	8	15	7	85.2	68.1	76.7	89	64						
WORTHY PARK	10.70	5.42	30	10	4	86.8	67.0	76.9	91	61						
BELIZE																
BELIZE AIRPORT	4.59	0.91	5	17	2	0	87.2	76.1	81.7	90	71					
GUYANA																
BARTICA POTATO R	9.16	1.37	3	19	6	4	89.7	71.4	80.6	93	68					
EBINI	13.85	3.94	24	20	8	3	88.4	72.4	80.4	92	70					
GEORGETOWN BOT Q	16.20	3.02	4	23	12	7	84.6	73.8	79.2	87	71					
HOSORORO	11.85	1.19	14	25	10	4	87.4	72.2	79.8	91	70					
KAWARANG	10.14	1.05	4	19	11	3	83.9	67.9	75.9	88	66					
NABARUMA	15.99	2.63	8	25	16	3	86.6	72.4	79.5	90	70					
WAHAICONY ABARY	15.19	2.10	21	20	12	6	85.3	74.1	79.7	87	71					
MATTHEWS RIDGE	8.43	1.41	4	28	7	2	87.2	71.2	79.2	91	69					
WAZARUNI PRISON	14.76	3.00	16	21	13	5	82.8	72.7	77.8	89	71					
MON REPOS	17.00	3.42	4	18	11	8	85.7	74.2	80.0	89	71					
PORT KAITUMA	9.03	1.28	28	22	11	2	88.8	71.0	80.0	93	70					
ST IGNATIUS	16.80	2.45	6	27	15	5	87.2	72.7	80.0	91	70					
TIMEHRI AIRPORT	15.95	2.82	12	22	14	4	86.9	72.2	79.5	90	71					
TIMEHRI CHS	13.84	2.02	11	26	14	4	87.9	69.5	78.7	92	68					
WAUNA	13.42	2.38	19	24	13	5	86.7	71.3	78.5	91	68					

TABLE II SUMMARY OF DAILY OBSERVATIONS JULY '70

COUNTRY STATION	RAINFALL (inches)					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN		
				.04	.40	1.00
TRINIDAD						
COCAL EST	15.92	3.35	1 21	11	5	
GREEN HILL RIVER	14.90	1.69	21 23	15	5	
GUAYAGUAYARE	10.49	2.13	30 13	7	5	
LA PASTORA	11.36	1.67	24 22	12	3	
MATELOT	16.01	2.06	27 21	16	4	
NAVET DAM SITE	11.77	2.59	12 25	16	5	
POINT FORTIN	11.28	1.67	15 25	14	5	
PORT OF SPAIN R	10.13	1.10	27 24	13	3	
QUAREDAM HOLLIS	20.96	3.03	29 23	15	9	
WATERLOO EST	12.17	1.87	25 20	11	6	
TOBAGO						
CASTARA	8.56	1.50	11 23	9	1	
HILLSBOROUGH DAM	10.77	1.70	7 21	11	4	
MORIAH	7.86	1.32	28 18	7	2	
PLYDOUTH WHITE R	7.60	.94	13 20	6	0	
SCARBOROUGH BOT	6.59	1.77	12 12	6	1	
SPEYSIDE	8.83	1.61	27 19	9	2	
BARBADOS						
BELLE ST M	12.05	2.48	28 21	6	4	
CASTLE GRANT	12.59	1.82	26 18	7	4	
CLIFTON HALL	10.83	1.92	60 22	8	3	
EDGECUMBE ST P	11.21	2.53	6 21	9	4	
HOLETOWN ST JA	8.73	1.38	26 21	10	3	
LION CASTLE	12.77	2.08	26 23	10	6	
PORTLAND	13.95	2.28	1 25	10	4	
RIVER ST P	11.53	2.21	6 22	11	3	

JULY 70

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS JULY 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours

TRINIDAD

CENTENO	.50	.58	.66	.90	.94	1.28	1.84	2.12
PENAL AG STATION	.35	.50	.62	.71	.71	.87	.90	.92
PIARGO AIRPORT	.39	.47	.59	.89	.97	1.91	2.67	2.85
ST AUGUSTINE UWI		.80	1.00	1.47	1.50	1.50	1.50	1.50

GRENADA

MIRABEAU	.63	.87	.91	1.25	1.60	2.04	2.52	2.70
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BARBADOS

HUSBANDS CMI	.25	.32	.52	.54	.63	.90	1.45	1.74
HAGGATTS ST A	.67	1.03	1.12	1.87	2.07	2.15	2.15	2.15
LION CASTLE ST T	.34	.53	.60	.86	.98	1.42	1.75	1.94
SEAWELL AIRPORT	.23	.48	.60	.63	.78	.90	.98	1.46

GUYANA

EBINI	.20	.41	.52	1.16	2.20	3.94	3.94	3.94
GEORGETOWN BOT G	.45	.62	.75	.99	1.60	1.93	2.54	2.54
KAMARANG	.34	.43	.51	.67	.73	.76	.99	1.47
MAHAICONY ABARY	.41	.59	.88	1.23	1.69	1.90	2.06	2.06
MATTHEWS RIDGE	.54	.84	.99	1.07	1.07	1.07	1.35	1.41
NEW AMSTERDAM	.32	.56	.61	.90	1.51	2.20	2.86	2.86
ST IGNATIUS	.37	.69	1.00	1.12	1.18	1.38	1.59	2.36
TIMEHRI CHS	.53	.77	1.02	1.54	2.01	2.01	2.01	2.02
WAUNA	.35	.55	.80	1.02	1.26	1.78	2.38	2.38

TABLE V - SUMMARY OF WINDSPEED RECORDS

JULY 70

COUNTRY STATION	HIGHEST WIND				HIGHEST GUST				NO OF HOURS WITH GUSTS		MEAN WIND SPEED	
	2	5	10	20	2	5	10	20	10	15	47	81
TRINIDAD PIARCO AIRPORT	06	20	15	4	06	32	1405	4	0	0	0	3•9
TOBAGO												
CROWN POINT APT	09	16	12	4	11	32	1020	30	0	0	0	5•1
ANTIGUA												
COOLIDGE AIRPORT	09	24	05	26	11	43	2340	7	1	0	0	15•1
JAMAICA												
MONTEGU BAY PALISADES APT	04	20	23	26	09	31	1114	5	0	0	0	6•7
GUYANA												
GEORGETOWN C R R	21	12	05	28	06	32	2215	4	0	0	0	4•8

TABLE VI - SUMMARY OF SUNSHINE RECORDS JULY 70

COUNTRY STATION	MEAN DURATION (hundreds of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT OF PROCESS DAY	MOST WELL IN A DAY	DATE	NO OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)					
	9-6	6-9	9-12	12-3	3-6	6-9	9-12	12-3	3-6	6-9	9-12	12-3					7-12	12-17	17-22	22-27	27-32	
TRINIDAD																						
CENTENO	0	19	46	58	49	56	60	54	57	57	53	46	18	0	179+2	45	11+5	3	0	7	0	
PENAL AG STATION	0	4	45	50	56	48	38	36	39	45	43	34	15	0	140+2	56	10+8	3	0	6	7	
PARCO AIRPORT	0	32	56	61	56	54	53	51	56	57	47	15	1	0	180+3	45	11+2	5	1	6	0	
ST AUGUSTINE UWI	0	24	59	59	52	49	56	57	53	54	49	16	12	0	170+7	43	11+0	3	1	8	9	
TOBAGO																						
CROWN POINT API	0	31	52	59	59	64	62	65	65	75	63	52	35	0	212+0	54	11+8	25	0	8	4	
GRENADE																						
MIRABEAU	0	20	43	42	45	51	51	50	44	43	37	23	13	0	135+7	36	10+1	21	2	12	3	
BARBADOS																						
HUSBANDS CMI	0	25	55	61	61	65	67	70	67	65	59	50	1	2	211+7	53	11+8	19	0	6	9	
SEAWELL AIRPORT	0	24	48	61	62	73	75	76	73	62	65	49	26	1	215+4	54	11+6	16	0	5	6	
DOMINICA																						
MELVILLE HALL AP	0	21	45	50	55	63	63	70	61	52	51	42	17	0	171+7	46	10+6	3	3	4	6	
JAMAICA																						
BODLES	0	5	73	73	69	70	73	69	52	41	45	45	31	1	217+2	54	11+7	5	1	5	1	
DUCKENFIELD	0	31	63	74	70	69	70	59	64	53	56	54	16	0	280+0	51	11+4	8	0	7	7	
FROME	2	46	58	75	79	77	79	70	59	42	29	16	5	0	175+7	45	11+0	3	0	4	8	
MONTEGO BAY	0	39	62	74	72	76	84	78	62	53	43	41	23	1	216+6	53	11+3	4	1	5	4	
MONY MUSK	0	1	36	50	51	55	67	75	79	74	68	65	44	0	205+9	51	10+7	16	1	4	6	
ORANGE RIVER	0	33	73	73	71	71	65	65	56	57	56	59	34	1	221+1	54	11+9	8	1	4	7	
PALISADES	0	32	66	70	72	72	64	59	47	41	35	27	11	0	182+6	45	11+1	4	0	5	9	
SMITHFIELD	24	69	73	83	78	78	75	69	63	51	53	77	60	2	189+8	47	11+9	15	0	8	7	
GUYANA																						
EBINI	0	14	37	51	65	73	79	70	69	62	47	35	18	3	192+9	50	11+0	23	0	4	10	
GEORGETOWN BOT	6	0	44	46	55	59	53	50	64	74	77	76	35	0	196+6	51	10+3	15	0	4	15	
KAMARANG	2	15	25	49	68	68	64	61	59	56	19	0	165+6	43	9+1	31	0	5	15	0		
MAZARUNI PRISON	0	3	24	50	64	57	31	43	51	46	45	40	12	0	151+8	39	8+8	13	0	8	10	
NON REPOS	0	24	47	57	65	68	59	62	67	74	83	52	3	228+1	59	11+7	25	0	2	8		
ST IGNATIUS	0	32	43	51	65	65	65	63	65	61	68	68	41	0	222+6	56	11+7	10	0	4	7	
WAUNA	0	29	43	58	61	54	54	51	42	49	43	45	23	0	165+3	42	9+4	25	0	7	11	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 70

COUNTRY STATION	HEIGHT ABOVE MSL	TIME HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE REDUCED TO MSL	MEAN WIND SPEED KTS	TOTAL CLOUD AMOUNT (heights)			VISIBILITY (No. of Observations) YARDS			miles	
			DRY BULB		WET BULB	REL PRESS			AMT	0	1	2	3-5	6-7	8	
			°F	%	°F	mb	%		AMT	0	1	2	3-5	6-7	8	
TRINIDAD																
BENTENG PENAL AG STATION	50	08	79.4	76.2	29.1	85				5	17	7	2	0	0	0
PIARCO AIRPORT	250	08	77.7	75.7	29.1	94	1012.3	0.5	4.6	0	5	16	1	0	0	0
	41	02	75.2	74.0	28.1	89	1013.1	1.4	5.0	0	5	9	16	1	0	0
	08	77.8	75.4	28.8	89	1011.9	7.1	6.1	0	2	4	24	1	0	0	0
	14	63.4	77.1	28.5	71											19
PIARCO AIRPORT	41	20	77.9	75.5	29.0	89	1012.0	1.4	4.5	0	8	10	10	3	0	0
ST AUGUSTINE WMI	52	16	62.7	76.7	28.6	75	1010.9	1.2	6.6	0	0	5	20	5	1	0
TOBAGO																
CROWN POINT AIRP	9	02	77.6	75.0	28.5	89	1012.0	4.1	4.7	0	7	8	15	1	0	0
	08	31.5	77.1	30.1	82	1013.2	6.8	4.9	0	7	7	16	1	0	0	0
	14	33.4	78.0	30.3	78	1012.1	10.1	5.6	0	4	6	18	3	0	0	0
	20	78.2	75.3	28.5	87	1012.4	4.0	5.4	0	4	7	19	1	0	0	0
grenada																
MIRABEAU MOUNT HORNE	450	06	80.6	76.9	30.2	85				0	0	13	11	1	6	
barbados																
HUSBANDS CMI	370	06	81.2	76.5	28.9	80	1013.9	7.8	4.8	0	4	14	11	1	1	28
	14	84.1	77.1	28.6	72	1012.4	9.3	5.4	0	2	12	16	1	0	0	26
SEAWELL AIRPORT	184	02	78.5	75.2	28.3	85	1012.4	7.8	3.3	0	16	6	8	1	0	1
	08	61.6	76.8	29.2	79	1013.6	9.6	4.5	0	5	15	10	1	0	0	30
	14	64.8	77.8	29.2	71	1012.4	10.6	4.6	0	5	15	9	2	0	0	30
	20	79.9	75.8	28.7	82	1013.1	10.4	3.4	0	15	9	7	0	0	0	30

TABLE I - SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 70

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 70

COUNTRY STATION	HEIGHT ABOVE MSL ft	TIME LST	MEAN TEMPERATURE AND HUMIDITY				REDUCED PRESSURE TO MSL mb	MEAN WIND SPEED hr	TOTAL CLOUD AMOUNT (height)		VISIBILITY Yards		NO. OF OBSERVATIONS		
			DRY BULB °F	WET BULB °F	REL PRESS %	HUM %			Number of Observations	0	1, 2	3-5	6, 7	8	9
JAMAICA															
EMPIRE NURSERY	2130	13	81.0	72.9	24.1	67									
HOPE GARDENS	712	07	73.2	69.5	23.0	82									
IRWIN	80	08	76.7	74.4	28.0	89									
KINGSTON ST GEO	90	15	85.4	78.6	30.4	73									
KINGSTON ST GEO	90	07	78.0	74.3	27.0	83									
MARSHALLS PEN	2300	07	72.3	68.4	21.9	78									
MARSHALLS PEN	13	80.8	74.1	25.7	72	6									
WASON RIVER FIEL	2300	07	69.8	68.7	23.5	94									
WASON RIVER FIEL	13	80.6	73.6	25.2	71										
MONTEGO BAY APT	19	70.8	68.5	22.8	89										
MONTEGO BAY APT	01	77.5	73.6	26.8	83	1013.5	1.4	2.9	0	18	6	7	0	0	0
	07	77.1	73.7	26.8	84	1013.3	1.3	5.0	0	4	9	17	1	0	0
	13	86.0	77.3	30.1	71	1013.1	13.4	5.2	0	6	6	18	1	0	0
	19	81.1	76.2	28.7	79	1012.7	3.8	5.4	0	5	7	18	1	0	0
WORANT POINT LH	6	01	82.1	79.1	32.6	87									
WORANT POINT LH	07	82.1	78.7	32.1	86										
	13	86.2	79.9	32.5	76										
	19	83.0	79.4	32.6	85										
NONYMUSK	30	08	81.0	77.0	30.7	85									
NEGRIL POINT LH	27	07	76.6	73.4	26.6	85									
NEGRIL POINT LH	13	88.7	79.2	29.9	65										
ORANGE RIVER	19	81.3	76.8	29.6	81										
ORANGE RIVER	08	76.8	74.2	27.7	88										
PALISADDES APT	9	01	78.3	76.3	27.4	83	1013.0	2.3	4.1	0	10	11	7	3	0
PALISADDES APT	07	78.8	73.8	26.3	78	1012.9	4.5	5.5	0	6	5	17	3	0	0
	15	85.7	76.5	27.0	64	1012.8	11.4	5.3	0	5	6	18	2	0	130
RICHMOND	19	80.2	74.5	26.7	76	1012.4	6.7	5.1	0	7	6	15	3	0	0
SMITHFIELD	120	08	83.0	77.6	29.9	78				0	0	0	0	0	0
BELIZE	925	08	78.1	73.5	26.1	80				0	0	0	0	0	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 7-14

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST '70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH FOG	HAIL	GALE
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH, OR MORE THAN	DATE	MEAN	MAX	MIN	MEAN $\frac{1}{2}(A+B)$					
TRINIDAD													
PIARCO AIRPORT	12.80	3.16	10	22	10	4	87.3	73.9	80.3	90	69	175.4	13
ST AUGUSTINE UNI	13.08	2.13	10	23	13	4	87.6	71.5	78.6	90	69	173.3	0
TOBAGO													
CROWN POINT APT	10.44	1.95	19	20	7	4	85.7	73.9	79.8	87	71	216.6	3
grenada													
MIRABEAU MOUNT HORNE	12.25	1.78	31	23	11	5	84.6	73.9	79.2	88	71	194.6	5
	11.84	1.77	31	21	11	3	85.9	73.8	79.8	88	71	211.8	0
BARBADOS													
HUSBANDS CMI SEAWELL AIRPORT	4.53	1.34	31	14	3	2	86.4	74.4	80.4	88	69	274.9	1
	4.50	1.93	30	15	2	1	86.9	76.4	81.6	89	72	274.7	0
ST LUCIA													
ROSEAU WINBAN VIGIE AIRPORT	8.02	1.17	21	23	7	1	87.3	74.3	80.7	90	71	232.3	
	6.19	1.64	20	24	3	1	87.0	74.9	80.9	89	70		
DOMINICA													
WELVILLE HALL AP ROSEAU	14.23	4.47	20	18	6	5	74.9			88		173.0	
	12.10	5.13	20	21	6	1	86.9	75.3	81.1	90	74	208.5	
ANTIGUA													
COOLIDGE AIRPORT	4.43	0.97	26	13	4	0	85.8	77.2	81.5	88	73		
JAMAICA													
BERNARD LODGE	4.62	1.25	29	8	5	2	89.2	71.5	80.3	94	69	255.4	
BODLES	6.80	2.29	29	8	6	3	87.7	65.4	76.6	92	62	237.2	
CAENWOOD	7.04	1.23	5	17	7	1	84.2	74.4	79.3	87	68	70.6	
CEDAR VALLEY	13.27	3.34	2	15	8	4	82.1	60.8	71.6	89	56		
CINCHUNA GARDENS	7.95	4.50	6	8	3	2	73.4	58.9	66.2	78	57		
DALLAS	4.82	1.85	6	6	3	2	84.8			90			
DUCKENFIELD	14.24	7.84	5	21	5	3	87.8	73.9	80.9	89	71	213.7	
EAST ALBION NURS	8.73	2.40	2	13	4	3	87.2	69.3	78.4				
EMPIRE NURSERY	5.57	2.03	5	6	3	3	83.1	62.1	76.8	89	61		
FROWNE	11.85	1.97	17	19	9	6	90.4	72.2	81.3	94	70	222.1	

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST 70

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F			MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH FOG HAUL GALE
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH OR MORE THAN .04 .40 1.00	MEAN	MAX	MIN			
JAMAICA									
HOPE GARDENS	3.48	1.64	6	8	4	1	89.4	62.0	75.7
IRWIN	7.23	1.45	2	13	7	3	89.7	70.7	80.2
KINGSTON ST.GEO	5.09	1.32	2	8	5	2	88.7	75.0	81.9
MARSHALLS PEN	7.18	3.77	29	12	3	1	82.2	56.7	74.5
MASON RIVER FIEL	5.68	1.36	5	13	5	1	32.6	64.1	73.4
MONTEGO BAY APT	4.41	1.00	25	11	4	1	87.7	73.8	80.7
MONYMUSK	9.62	3.10	1	13	7	3	89.3	71.5	80.4
MORANT POINT LH	13.43	7.87	5	14	4	2	87.7	75.1	81.4
NEGRI POINT LH	4.54	1.25	27	9	4	2	90.7	74.1	76.6
ORANGE RIVER	4.69	.87	5	12	6	0	82.9	70.2	76.5
PALISADES APT	6.22	2.60	2	9	5	2	88.7	77.3	83.0
RICHMOND	4.97	2.74	5	9	2	2	86.8	72.7	79.8
SMITHFIELD	5.72	1.19	23	14	5	2	85.4	69.1	77.2
BELIZE									
BELIZE AIRPORT	8.18	1.71	26	21	5	2	87.7	75.8	81.7
GUYANA									
BARTICA POTATO R	16.50	2.15	8	18	15	6	90.6	71.2	80.9
EBINI	13.54	2.40	19	22	12	5	89.2	72.5	80.8
GEORGETOWN BOT G	10.50	1.62	15	19	10	3	85.3	74.6	79.9
HOSORORO	10.83	1.90	27	25	8	3	87.6	72.1	79.8
KAMARANG	12.68	2.05	19	22	10	4	84.5	68.0	76.2
MAHAGONY ABARY	11.35	1.78	22	15	9	4	86.3	74.7	80.5
NAZARUNI PRISON	7.68	1.60	8	21	7	1	87.8	72.4	80.1
NON REPOS	8.32	1.32	13	17	9	2	86.3	74.4	80.4
NEW AMSTERDAM	6.59	1.42	7	16	6	2	87.6	74.1	80.8
PORT KAITUMA	10.42	1.84	5	18	9	2	89.6	70.4	80.0
ST IGNATIUS	13.07	1.69	31	23	10	5	88.1	73.0	80.6
TIMEHRI AIRPORT	12.14	1.65	3	19	11	4	87.5	72.0	79.7
TIMEHRI CH3	11.30	1.75	7	24	10	4	88.5	69.2	78.8
WAUNA	11.17	1.60	15	28	10	3	85.0	77.1	78.1

TABLE II SUMMARY OF DAILY OBSERVATIONS AUGUST '70

COUNTRY STATION	RAINFALL (inches)					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN		
				>0.4	>1.0	>1.00
TRINIDAD						
COCAL EST	12.97	3.85	27	21	6	5
GREEN HILL RIVER	9.97	2.49	27	23	7	4
GUAYAGUAYARE	13.57	3.07	27	15	8	4
LA PASTORA	13.37	3.12	10	15	6	6
MATELOT	15.59	2.00	11	22	15	5
NAVET DAMSITE	16.05	2.10	27	25	16	5
POINT FORTIN	16.40	3.29	10	25	14	5
PORT OF SPAIN R	11.98	2.22	10	27	7	4
QUAREDAM HOLLIS	15.70	1.87	27	27	12	7
WATERLOO EST	13.33	2.37	25	22	10	5
TOBAGO						
CASTARA	4.42	1.90	20	17	5	3
HILLSBOROUGH DAM	9.10	2.04	10	15	8	2
MORIAH	9.15	1.71	28	20	6	2
PLYMOUTH WHITE R	7.59	1.23	28	19	7	2
SCARBOROUGH BOT	12.54	1.80	3	22	10	6
SPEYSIDE	11.58	2.69	10	24	8	3
BARBADOS						
BELLE ST M	4.78	1.56	31	11	3	2
CASTLE GRANT	4.81	0.99	30	19	5	0
CLIFTON HALL	4.82	1.28	30	14	4	1
EDGEcumbe ST P	4.49	1.83	30	10	3	1
HOLETOWN ST JA	4.31	1.00	31	13	3	1
PORTLAND RIVER ST P	4.57	0.95	7	11	4	0
	3.85	1.35	30	16	2	1

TABLE III-SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS AUGUST 70

COUNTRY STATION	RUN OF WIND (in. miles)	EVAPORATION (inches)	SOIL TEMPERATURES OF												TOTAL RADIATION (angle/s)		
			At 2 inch depth			At 4 inch depth			EXTREME			EXTREME			TOTAL AMOUNT IN A DAY	MOST IN A DAY	LEAST IN A DAY
			DAILY MEAN	MOST IN A DAY	DATE	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN			
TRINIDAD																	
PIARCO AIRPORT	69	3	6.09	6.34	10												
ST AUGUSTINE UNI	69	17	3.15	3.18	6												
TOBAGO																	
CROWN POINT APT			7.31	7.36	6												
grenada																	
MIRABEAU	65	103	5.87	5.29	6												
BARBADOS																	
HUSBANDS CMI	124	174	8.33	8.35	10	94.6	80.3	99	18	75	88.8	81.4	91	75	16153	635	292
DOMINICA																	
ROSEAU	83	141															
JAMAICA																	
BERNARD LODGE	98	179	6.59	6.39	10												
BODLES	61	90	7.47	7.43	23												
CEDAR VALLEY	32	47	5.39	5.31	24												
SMITHFIELD	56	78	4.85	4.26	22	91.2	74.8	98	18	73	88.2	78.3	92	76			
GUYANA																	
GEORGETOWN BOT	6	50	73	4.71	23	29											
KAMARANG	34	77	5.60	5.33	4												
WAUNA	15	51	4.09	4.25	2	89.8	74.1	97	21	71							

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS AUGUST 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours

TRINIDAD

CENTENO	.72	.82	.82	1.63	1.91	2.01	2.03	2.05
PENAL AG STATION	.28	.46	.68	.76	.78	1.33	2.74	2.76
PIARCO AIRPORT	.39	.45	.63	1.10	1.26	1.95	2.66	2.67
ST AUGUSTINE UWI		.52	.66	.76	1.20	1.30	1.64	1.65

TOBAGO

CROWN POINT APT	.51	.55	.55	.87	.99	1.92	2.19	2.19
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GRENADA

MIRABEAU	.38	.55	.49	1.02	1.18	1.49	1.68	1.78
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BARBADOS

HAGGATTS ST A	.25	.30	.31	.32	.42	.48	.72	.99
HUSBANDS CMI	.26	.51	.56	.61	.83	1.15	1.31	1.31
LION CASTLE ST T	.42	.43	.48	.55	.70	.73	.87	1.17
SEAWELL AIRPORT	.20	.39	.55	.75	.75	1.26	1.71	1.89

GUYANA

EBINI	.26	.48	.76	1.18	2.08	2.25	2.40	2.40
GEORGETOWN BOT G	.40	.49	.53	.72	.84	.98	.98	.98
KAMARANG	.28	.34	.52	.88	1.54	1.84	1.99	2.05
MAHAICONY ABARY	.49	.64	1.10	1.36	1.82	1.90	2.16	2.24
NEW AMSTERDAM	.35	.43	.64	.64	.70	.87	1.09	1.09

ST IGNATIUS	.25	.69	.80	.82	1.18	1.36	1.46	1.46
TIMEHRI CHS	.32	.44	.52	.80	1.02	1.35	1.35	1.39
WAUNA	.32	.64	1.00	1.58	1.59	1.60	1.60	1.60

TABLE V - SUMMARY OF WINDSPEED RECORDS AUGUST 70

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED	
	Z	SPD CRD	DATE	SPEED	TIME	DATE	33	47	63		
TRINIDAD PIARCQ AIRPORT	08	14	14	5	06	28	0725	11	0	0	3.0
TOBAGO											
CROWN POINT APT	12	17	19	27	11	38	0215	11	1	0	6.3
ANTIGUA											
COOLIDGE AIRPORT	11	23	09	27	11	38	0510	15	1	0	14.0
JAMAICA											
MONTEGO BAY	08	19	12	24	12	34	1445	2	1	0	5.6
PALISADES APT	12	22	13	23	11	33	0815	24	0	0	6.1

TABLE VI - SUMMARY OF SUNSHINE RECORDS AUGUST 70

COUNTRY STATION	MEAN DURATION (hundredths of an hour)												TOTAL DURATION (hours)	PERCENT OF POSSIBLE TIME	MOST IN A DAY	DATE	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
9-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38	38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	46-47	47-48	48-49	49-50	50-51	51-52	52-53	53-54	54-55	55-56	56-57	57-58	58-59	59-60	60-61	61-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71	71-72	72-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95	95-96	96-97	97-98	98-99	99-100	100-101	101-102	102-103	103-104	104-105	105-106	106-107	107-108	108-109	109-110	110-111	111-112	112-113	113-114	114-115	115-116	116-117	117-118	118-119	119-120	120-121	121-122	122-123	123-124	124-125	125-126	126-127	127-128	128-129	129-130	130-131	131-132	132-133	133-134	134-135	135-136	136-137	137-138	138-139	139-140	140-141	141-142	142-143	143-144	144-145	145-146	146-147	147-148	148-149	149-150	150-151	151-152	152-153	153-154	154-155	155-156	156-157	157-158	158-159	159-160	160-161	161-162	162-163	163-164	164-165	165-166	166-167	167-168	168-169	169-170	170-171	171-172	172-173	173-174	174-175	175-176	176-177	177-178	178-179	179-180	180-181	181-182	182-183	183-184	184-185	185-186	186-187	187-188	188-189	189-190	190-191	191-192	192-193	193-194	194-195	195-196	196-197	197-198	198-199	199-200	200-201	201-202	202-203	203-204	204-205	205-206	206-207	207-208	208-209	209-210	210-211	211-212	212-213	213-214	214-215	215-216	216-217	217-218	218-219	219-220	220-221	221-222	222-223	223-224	224-225	225-226	226-227	227-228	228-229	229-230	230-231	231-232	232-233	233-234	234-235	235-236	236-237	237-238	238-239	239-240	240-241	241-242	242-243	243-244	244-245	245-246	246-247	247-248	248-249	249-250	250-251	251-252	252-253	253-254	254-255	255-256	256-257	257-258	258-259	259-260	260-261	261-262	262-263	263-264	264-265	265-266	266-267	267-268	268-269	269-270	270-271	271-272	272-273	273-274	274-275	275-276	276-277	277-278	278-279	279-280	280-281	281-282	282-283	283-284	284-285	285-286	286-287	287-288	288-289	289-290	290-291	291-292	292-293	293-294	294-295	295-296	296-297	297-298	298-299	299-300	300-301	301-302	302-303	303-304	304-305	305-306	306-307	307-308	308-309	309-310	310-311	311-312	312-313	313-314	314-315	315-316	316-317	317-318	318-319	319-320	320-321	321-322	322-323	323-324	324-325	325-326	326-327	327-328	328-329	329-330	330-331	331-332	332-333	333-334	334-335	335-336	336-337	337-338	338-339	339-340	340-341	341-342	342-343	343-344	344-345	345-346	346-347	347-348	348-349	349-350	350-351	351-352	352-353	353-354	354-355	355-356	356-357	357-358	358-359	359-360	360-361	361-362	362-363	363-364	364-365	365-366	366-367	367-368	368-369	369-370	370-371	371-372	372-373	373-374	374-375	375-376	376-377	377-378	378-379	379-380	380-381	381-382	382-383	383-384	384-385	385-386	386-387	387-388	388-389	389-390	390-391	391-392	392-393	393-394	394-395	395-396	396-397	397-398	398-399	399-400	400-401	401-402	402-403	403-404	404-405	405-406	406-407	407-408	408-409	409-410	410-411	411-412	412-413	413-414	414-415	415-416	416-417	417-418	418-419	419-420	420-421	421-422	422-423	423-424	424-425	425-426	426-427	427-428	428-429	429-430	430-431	431-432	432-433	433-434	434-435	435-436	436-437	437-438	438-439	439-440	440-441	441-442	442-443	443-444	444-445	445-446	446-447	447-448	448-449	449-450	450-451	451-452	452-453	453-454	454-455	455-456	456-457	457-458	458-459	459-460	460-461	461-462	462-463	463-464	464-465	465-466	466-467	467-468	468-469	469-470	470-471	471-472	472-473	473-474	474-475	475-476	476-477	477-478	478-479	479-480	480-481	481-482	482-483	483-484	484-485	485-486	486-487	487-488	488-489	489-490	490-491	491-492	492-493	493-494	494-495	495-496	496-497	497-498	498-499	499-500	500-501	501-502	502-503	503-504	504-505	505-506	506-507	507-508	508-509	509-510	510-511	511-512	512-513	513-514	514-515	515-516	516-517	517-518	518-519	519-520	520-521	521-522	522-523	523-524	524-525	525-526	526-527	527-528	528-529	529-530	530-531	531-532	532-533	533-534	534-535	535-536	536-537	537-538	538-539	539-540	540-541	541-542	542-543	543-544	544-545	545-546	546-547	547-548	548-549	549-550	550-551	551-552	552-553	553-554	554-555	555-556	556-557	557-558	558-559	559-560	560-561	561-562	562-563	563-564	564-565	565-566	566-567	567-568	568-569	569-570	570-571	571-572	572-573	573-574	574-575	575-576	576-577	577-578	578-579	579-580	580-581	581-582	582-583	583-584	584-585	585-586	586-587	587-588	588-589	589-590	590-591	591-592	592-593	593-594	594-595	595-596	596-597	597-598	598-599	599-600	600-601	601-602	602-603	603-604	604-605	605-606	606-607	607-608	608-609	609-610	610-611	611-612	612-613	613-614	614-615	615-616	616-617	617-618	618-619	619-620	620-621	621-622	622-623	623-624	624-625	625-626	626-627	627-628	628-629	629-630	630-631	631-632	632-633	633-634	634-635	635-636	636-637	637-638	638-639	639-640	640-641	641-642	642-643	643-644	644-645	645-646	646-647	647-648	648-649	649-650	650-651	651-652	652-653	653-654	654-655	655-656	656-657	657-658	658-659	659-660	660-661	661-662	662-663	663-664	664-665	665-666	666-667	667-668	668-669	669-670	670-671	671-672	672-673	673-674	674-675	675-676	676-677	677-678	678-679	679-680	680-681	681-682	682-683	683-684	684-685	685-686	686-687	687-688	688-689	689-690	690-691	691-692	692-693	693-694	694-695	695-696	696-697	697-698	698-699	699-700	700-701	701-702	702-703	703-704	704-705	705-706	706-707	707-708	708-709	709-710	710-711	711-712	712-713	713-714	714-715	715-716	716-717	717-718	718-719	719-720	720-721	721-722	722-723	723-724	724-725	725-726	726-727	727-728	728-729	729-730	730-731	731-732	732-733	733-734	734-735	735-736	736-737	737-738	738-739	739-740	740-741	741-742	742-743	743-744	744-745	745-746	746-747	747-748	748-749	749-750	750-751	751-752	752-753	753-754	754-755	755-756	756-757	757-758	758-759	759-760	760-761	761-762	762-763	763-764	764-765	765-766	766-767	767-768	768-769	769-770	770-771	771-772	772-773	773-774	774-775	775-776	776-777	777-778	778-779	779-780	780-781	781-782	782-783	783-784	784-785	785-786	786-787	787-788	788-789	789-790	790-791	791-792	792-793	793-794	794-795	795-796	796-797	797-798	798-799	799-800	800-801	801-802	802-803	803-804	804-805	805-806	806-807	807-808	808-809	809-810	810-811	811-812	812-813	813-814	814-815	815-816	816-817	817-818	818-819	819-820	820-821	821-822	822-823	823-824	824-825	825-826	826-827	827-828	828-829	829-830	830-831	831-832	832-833	833-834	834-835	835-836	836-837	837-838	838-839	839-840	840-841	841-842	842-843	843-844	844-845	845-846	846-847	847-848	848-849	849-850	850-851	851-852	852-853	853-854	854-855	855-856	856-857	857-858	858-859	859-860	860-861	861-862	862-863	863-864	864-865	865-866	866-867	867-868	868-869	869-870	870-871	871-872	872-873	873-874	874-875	875-876	876-877	877-878	878-879	879-880	880-881	881-882	882-883	883-884	884-885	885-886	886-887	887-888	888-889	889-890	890-891	891-892	892-893	893-894	894-895	895-896	896-897	897-898	898-899	899-900	900-901	901-902	902-903	903-904	904-905	905-906	906-907	907-908	908-909	909-910	910-911	911-912	912-913	913-914	914-915	915-916	916-917	917-918	918-919	919-920	920-921	921-922	922-923	923-924	924-925	925-926	926-927	927-928	928-929	929-930	930-931	931-932	932-933	933-934	934-935	935-936	936-937	937-938	938-939	939-940	940-941	941-942	942-943	943-944	944-945	945-946	946-947	947-948	948-949	949-950	950-951	951-952	952-953	953-954</th

Table 4 - SUMMARY OF OBSERVATIONS AT FIXED HOUR IN SEVEN HOURS

COUNTRY STATION	HEIGHT ABOVE MSL ft.	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				PRESSURE REDUCED TO MSL mb	MEAN WIND SPEED m/s	TOTAL CLOUD AMOUNT (heights)				VISIBILITY (No. of Observations) miles					
			DRY BULB °F		WET BULB °F				MEAN CLOUD AMOUNT		Number of Observations		VISIBILITY (No. of Observations) miles					
			%	°F	%	°F			AMT	0	1	2	3-5	6-7	8	9	10-15	16-20
TRINIDAD																		
CENTENO PENALAG STATION	50	08	79.6	76.3	29.4	85												
PIARCO AIRPORT	25	08	77.5	75.5	29.2	91												
	41	02	74.1	73.1	27.4	95	1011.9	0.6	3.9	4	6	10	10	0	0	0	0	2
	08	78.2	75.4	28.8	88	1013.1	2.5	4.3	0	1	7	10	2	0	0	0	1	0
	14	84.7	74.3	27.6	68	1011.4	7.7	6.1	0	1	7	21	1	0	0	2	0	3
PIARCO AIRPORT	41	20	77.1	74.9	28.5	90	1011.8	1.7	4.4	0	8	11	10	1	0	0	0	0
ST AUGUSTINE UNI	52	08	79.4	75.8	28.8	84	1013.2	0.0	4.2	0	9	11	5	4	1	0	0	0
	16	81.7	76.0	28.2	76	1010.7	0.9	6.3	0	1	6	15	8	0				
TOBAGO																		
CROWN POINT AIRP	9	02	77.3	74.8	28.3	88	1011.8	5.0	4.2	0	7	12	11	0	0	0	0	0
	08	81.7	77.2	29.8	81	1013.3	7.0	4.6	0	6	12	11	1	0	0	0	0	3
	14	84.5	78.6	30.8	76	1011.6	10.3	4.9	0	4	13	12	1	0	0	0	1	3
	20	78.9	75.8	29.1	86	1012.1	5.2	4.6	0	7	11	11	1	0	0	0	0	2
LOUIS D'OR	40	08	81.0	76.4	29.0	80												
GRENADA																		
MIRABEAU	450	08	80.8	77.2	30.7	86												
MOUNT HORNE	500	08	80.9	77.0	29.9	83												
BARBADOS																		
HUSBANDS CMI	370	08	81.2	75.9	28.3	78	1014.0	7.9	4.7	0	4	14	11	1	0	0	0	5
	14	83.7	76.1	27.4	70	1011.6	10.2	5.4	0	0	15	13	1	0	0	0	0	3
SEAWELL AIRPORT	183	02	78.4	75.0	26.1	85	1012.2	6.8	3.3	0	15	9	4	2	0	0	0	2
	08	81.7	76.5	28.7	78	1013.7	8.8	4.1	0	7	14	9	0	0	0	0	1	3
	14	84.7	77.6	29.1	71	1012.0	3.0	4.3	0	8	10	11	1	0	0	0	0	2
	20	79.7	75.7	28.5	82	1012.8	7.2	2.9	0	14	12	4	0	0	0	0	0	3
ST LUCIA																		
VIGIE AIRPORT	7	08	81.8	76.4	28.6	77	1013.7	5.0	4.1	0	6	13	6	1	0	0	0	1
DOMINICA																		
MELVILLE HALL AP	43	09	82.1	77.7	29.8	80	1015.4	6.3	4.2	0	4	18	4	2	0	0	0	3
ROSEAU	220	09	82.9	77.4	29.7	77	1014.1	8.6	4.4	0	5	13	7	2	0	0	0	2
ANTIGUA																		
COOLIDGE AIRPORT	26	08	82.0	76.6	28.7	77	1014.6	11.1	5.5	0	7	18	5	0	0	0	0	0
DUNBARS	220	16	85.3	77.4	28.5	69	1014.6	12.0	4.3	0	4	19	5	2	0	0	0	3
	20	80.8	76.2	28.9	81	1014.0	10.0	3.5	0	10	15	4	2	0	0	0	0	2

TABLE I. SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER 70

COUNTRY	STATION	HEIGHT ABOVE MSL	HOUR	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE TO MSL mb	MEAN WIND SPEED m/s	TOTAL CLOUD AMOUNT (height)				VISIBILITY (No. of Observations) Yards	
				DRY BULB °F	WET BULB °F	VAPOR PRESS %	REL HUM %			AMT 0	1, 2	3-5	6-7	8+	
JAMAICA															
BERNARD LODGE	56	08	79.9	75.4	28.1	69									
BOODLES	60	14	84.6	76.3	27.2	67	07	75.6	73.2	27.4	90				
CAENWOOD	50	08	85.6	78.4	30.4	73	13	85.6	78.4	30.4	73	08	80.8	78.6	32.5
CAENWOOD		16	82.4	80.1	34.1	90									
CEDAR VALLEY	1980	07	69.7	68.1	22.7	92	13	79.0	73.4	25.7	76				
CINCHONA GARDENS	4897	09	63.4	61.7	18.0	90	16	66.0	64.6	20.2	93				
DALLAS	950	09	76.4	72.3	26.6	86	15	78.5	73.7	27.9	84				
DUCKENFIELD EAST ALBION NURS	60	08	80.3	77.0	30.2	86	07	78.1	73.5	26.2	80	13	85.1	77.8	29.5
EMPIRE NURSERY	2130	07	79.6	77.2	21.7	80	13	79.0	72.1	23.8	79				
FARM HILL	4020	07	65.5	63.0	18.7	87	13	76.2	69.3	21.5	70				
HOPE GARDENS	712	07	73.1	69.6	23.2	83									
IRWIN	80	08	79.6	76.1	29.6	86	15	82.2	77.3	30.0	80				
KINGSTON ST GEO	90	07	76.5	72.9	25.9	83	13	83.0	75.7	28.8	75				
MARSHALLS PEN	2300	07	70.7	68.6	23.0	90						24.2	54.0	0	9
MARSHALLS PEN MASON RIVER FIEL	2300	13	78.5	73.3	25.8	77	07	69.8	68.2	22.8	92		64.6	64.4	0
MONTego BAY APT	3	01	76.4	73.4	26.8	86	19	71.1	68.9	22.9	88		321	0	6
MONTego BAY APT	3	07	76.0	73.2	26.6	87	13	85.5	80.3	32.9	79		12	810	0
MORANT POINT LH	6	19	85.4	78.1	29.7	72	19	78.5	75.4	28.7	86	01	81.8	78.1	24.9
MORANT POINT LH	6	01	81.8	78.1	31.2	84						54.8	44.5	0	30
MORANT POINT LH	6	07	81.4	77.4	30.7	84						44.3	54.5	0	17
MONYMUSK	27	19	82.2	78.2	31.2	83	08	80.1	77.0	30.3	86		54.2	54.1	0
NEGRIl POINT LH	27	07	75.9	72.9	26.2	86	13	87.5	79.2	30.3	68		44.9	54.0	0
NEGRIl POINT LH	27	19	78.5	74.8	27.8	83						14.4	34.0	0	14
ORANGE RIVER	950	08	75.9	73.7	27.5	90	16	78.1	74.4	27.5	84				29
PALISADEES APT	9	01	79.5	76.7	30.2	88	07	79.3	75.9	29.0	85	1012.5	24.4	44.8	0
PALISADEES APT	9	07	79.3	75.9	29.0	85	1012.4	24.4	44.8	0	0				30

TABLE I. SUMMARY OF OBSERVATIONS AT FIXED AND UNSTATIONARY

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER '70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	NO OF DAYS WITH THUNDER & FOG	HAIL - GALE	
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH OR MORE THAN .04	DATE -04 -40 1-00	MEAN	MEAN MIN A	MEAN MAX A	MEAN $\frac{1}{2}(A+B)$					
TRINIDAD													
PIARCO AIRPORT ST AUGUSTINE UW1	12.85	2.53	29	19 11	5 87.8	72.2	80.0	91 70	91 69	68.2	178.8	10	0 0 0
TOBAGO	8.99	1.98	15	21 7	1 87.8	70.9	79.4	91 69	91 69	68.2	178.8	10	0 0 0
LOUIS DOIR	11.06	2.61	4	20 8	4 85.5	74.8	80.2	87 72	87 72	72	209.6		
GRENADA													
MIRABEAU MOUNT HORNE	6.17	.90	27	17 7	0 84.9	73.7	79.3	86 71	86 70	71	202.9	2	0 0 0
BARBADOS	5.34	1.48	12	17 4	1 85.9	74.0	80.5	89 70	89 70	70	228.5		
HUSBANDS CMI SEAWELL AIRPORT	4.17	1.61	22	11 4	1 86.5	74.0	80.3	88 72	88 72	72	240.7	6	0 0 0
ST LUCIA	5.67	1.56	22	15 5	1 86.6	75.8	81.2	89 72	89 72	72	256.1		
ROSEAU WINBAN VIGIE AIRPORT	11.41	2.16	27	17 1	4 87.4	72.8	80.1	89 70	89 70	70	210.5		
DOMINICA	9.01	2.55	27	17 5	2 87.8	74.5	81.1	89 71	89 71	71			
WELVILLE HALL AP ROSEAU	14.13	2.44	22	14 1	5 85.9	76.2	82.6	89 72	89 72	72	219.1	87	73
ANTIGUA													
COOLIDGE AIRPORT DUNBARS	1.74	.33	29	10 0	0 88.9	76.2	82.6	89 72	89 72	72			
JAMAICA													
BERNARD LODGE	3.17	1.95	11	4 2	1 89.4	70.4	79.9	91 68	91 68	68	220.4		
BODLES	4.79	1.50	11	9 5	1 87.8	64.1	75.9	90 61	90 61	61	164.6		
CAENWOOD	8.13	1.65	24	15 9	4 84.0	75.9	80.0	87 73	87 73	73			
CEDAR VALLEY	8.35	1.72	26	15 8	3 81.6			85	85				
CINCHONA GARDENS	4.95	.96	18	12 5	0 71.2	58.6	64.9	75 57	75 57	57			
DALLAS	4.13	.88	29	12 4	0 85.1	54.4	68.7	89 50	89 50	50			
DUCKENFIELD	7.58	1.15	14	18 8	1 87.5	72.8	80.1	89 55	89 55	55	69.8	185.4	
EAST ALBION NURS	5.15	1.23	13	16 6	1 87.5	68.6	78.1	91 66	91 66	66			
EMPIRE NURSERY	4.11	1.40	26	12 3	1 81.4	63.9	72.7	84 61	84 61	61			
FARM HILL	7.03	1.72	3	13 6	2 76.3	61.5	68.5	79 60	79 60	60			

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 76

COUNTRY STATION	TOTAL AMOUNT	MOST IN A DAY	DATE	RAINFALL (inches)			AIR TEMPERATURE °F			MEAN GRASS MIN			MEAN TOTAL SUNSHINE HR			NO OF DAYS WITH FOG - THUNDERSTORMS HAIL - GALE		
				NUMBER OF DAYS WITH OR MORE THAN	MEAN MAX	MIN	MEAN MAX	MIN	MEAN MAX	HR	HR	HR	HR	HR	HR	HR	HR	
JAMAICA																		
FROME	11.02	1.45	15	16	10	4	90°0	71°5	80°6	92	68							
HOPE GARDENS	6.60	1.93	11	15	7	1	87°9	61°2	74°5	90	59							
IRWIN	14.14	1.65	7	16	9	4	89°2	70°1	79°7	92	68							
KINGSTON ST. GEO	3.72	1.20	11	10	4	1	89°8	73°7	81°8	91	71							
MARSHALLS PEN	8.14	1.95	6	20	8	1	80°9	65°9	73°4	85	61	62°7						
MASON RIVER FIELD	6.28	1.92	12	10	6	2	81°9	63°8	72°9	86	60							
MONTEGO BAY APT	8.63	1.98	7	12	7	3	87°0	73°1	80°0	89	71	156°0	17	0	0	0	0	
MONWMUSK	6.47	2.50	20	15	5	1	88°9	70°6	79°8	90	68	183°9						
MORANT POINT LH	6.78	1.92	14	15	7	0	87°3	74°4	80°9	89	70	14	0	0	0	0	0	
NEGRI POINT LH	5.98	1.08	9	14	7	1	89°8	73°5	81°7	93	71	30	0	0	0	0	0	
ORANGE RIVER	1.60	1.14	7	12	4	2	88°7	76°8	82°7	91	73	152°2						
PALISADUES APT	1.99	1.74	18	6	2	0	88°7	76°8	82°7	91	73	194°4						
RICHMOND	7.70	2.53	18	14	6	2	86°6	71°9	78°3	98	70							
SMITHFIELD	13.11	1.19	24	20	14	6	84°6	68°1	76°4	91	66	171°6						
WORTHY PARK	3.72	0.84	25	16	2	0	85°6	66°5	76°5	89	63	149°0						
BELIZE																		
BELIZE AIRPORT	10.41	2.85	19	15	6	5	87°0	75°7	81°3	89	72	200°2	9	2	0	0	0	
GUYANA																		
BARTICA POTATO R	7.30	1.47	2	15	7	2	91°1	71°0	81°0	93	69							
EBINI	3.44	1.29	1	7	4	1	90°8	72°4	81°6	93	70	158°1	4	3	0	0		
GEORGETOWN BOT G	4.21	1.85	2	12	1	1	86°3	75°3	80°9	88	72	71°2	235°4					
HOSORORO	9.39	1.50	25	23	6	2	87°7	71°7	89	69	70	4	0	0	0	0		
KAMARANG	4.58	1.83	26	16	3	1	85°0	67°4	76°2	88	64	64°0	206°8	9	14	0	0	
WABARUMA	11.04	2.12	19	25	8	2	87°0	71°8	79°4	92	70							
WAHAICONY ABARY	2.71	1.18	18	5	2	2	86°5	75°1	80°8	88	72	234°1		2	10	0	0	
MATTHEWS RIDGE	9.72	1.27	23	20	12	2	87°4	70°8	79°1	90	68							
WAZARUNI PRISON	7.97	1.30	3	19	7	2	88°5	72°5	80°5	90	70	142°3	9	13	0	0		
WON REPOS	3.80	1.73	2	10	3	1	87°3	75°3	81°3	91	72	248°9						
NEW AMSTERDAM	2.63	0.73	21	12	2	0	88°4	74°0	81°2	90	73							
PORT KAITUMA	9.27	1.70	9	21	8	2	89°6	69°8	79°7	93	67							
ST. IGNATIUS	3.24	1.84	1	8	2	1	91°3	74°8	83°0	94	72	237°6	4	3	0	0		
TIMEHRI AIRPORT	7.63	2.19	2	17	6	2	88°3	71°7	80°0	91	70	9	8	0	0	0		
TIMEHRI CHS	7.18	2.00	2	18	7	1	88°4	69°0	78°7	90	67	69°4						
WAUNA	9.90	1.55	25	23	11	1	81°8	69°8	77°2	91	68	129°9	18	4	0	0	0	

TABLE II SUMMARY OF DAILY OBSERVATIONS SEPTEMBER 70

COUNTRY STATION	RAINFALL (inches)						NUMBER OF DAYS WITH OR MORE THAN .04 .40 1.00
	TOTAL AMOUNT	MOST IN A DAY	DATE				

TRINIDAD

COCAL EST	11.51	3.39	2 21	9	2		
GREEN HILL RIVER	12.69	1.24	15 22	15	3		
GUAYAGUAYARE	6.83	1.55	10 9	7	3		
LA PASTORA	8.93	2.53	22 16	7	3		
MATELOT	11.71	1.69	13 19	11	4		
NAVET DAMSITE	12.99	1.80	19 21	15	5		
POINT FORTIN	9.24	1.72	24 21	7	4		
PORT OF SPAIN R	10.95	2.20	7 22	12	2		
QUAREDAN HOLLIS	12.66	1.79	24 23	11	3		
WATERLOO EST	12.40	1.91	28 19	13	2		

BARBADOS

BELLE ST M	5.14	1.73	22 11	4	1		
CASTLE GRANT	5.07	1.22	22 14	4	1		
CLIFTON HALL	6.19	1.54	21 10	5	2		
EDGECUMBE ST P	2.87	2.70	23 11	3	1		
HOLETOWN ST JA	6.62	3.97	22 14	2	1		
PORTLAND	5.02	1.37	22 10	4	2		

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS SEPTEMBER 70

COUNTRY STATION	RUN OF WIND (in. miles)	EVAPORATION (inches)				SOIL TEMPERATURES At 1 inch depth				SOIL TEMPERATURES At 4 inch depth				TOTAL RADIATION (Langley's)			
		DAILY MEAN	TOTAL AMOUNT IN A DAY	MOST IN A DAY	DATE	MEAN		EXTREMES		EXTREMES		TOTAL		MOST		LEAST	
						MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	IN A DAY	IN A DAY
TRINIDAD																	
PIARCQ AIRPORT	73	101	6.014	3.0	26												
ST AUGUSTINE UNI	12	33	3.027	1.8	1												
TOBAGO																	
LOUIS DO OR	38	67	6.007	3.3	25	99.1	50.2	106	26	77							
GRENADE																	
MIRABEAU	67	119	5.076	2.2	25	98.4	108	7	91.7	80.0	99	73					
BARBADOS																	
HUSBANDS CIV	109	186	8.084	4.3	28	94.2	83.0	A	98	11.77	91.8	84.6	95	80			
JAMAICA																	
BODLES	47	90	5.081	4.37	9												
DUCKENFIELD			4.010	2.0	29												
CHANGE RIVER	28	43															
PALISADES APR	105	187	6.066	4.3	27	90.2	73.7	97	5	72	88.2	78.7	94	73			
SMITHFIELD	58	68															
GUYANA																	
GEORGETOWN BOT G	78	91	5.081	3.3	23												
KAWARANG	37	46	5.079	3.6	26												
ST IGNATIUS	85	135	8.019	4.39	18												
WAUNA	18	34															
						87.0	73.0	2	95	5	71						

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS SEPTEMBER 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENO	.32	.44	.75	1.33	1.39	2.11	2.11	2.11
PENAL AG STATION	.37	.50	.50	.66	1.04	1.47	1.58	1.58
PIARCO AIRPORT	.31	.59	.83	1.38	2.28	2.54	2.54	2.54
ST AUGUSTINE UWI	.34	.42	.49	.53	.53	.95	.95	.95
TOBAGO								
CROWN POINT APT	.59	.88	.98	.98	1.14	1.14	1.28	1.65
LOUIS D'OR	.40	.52	.64	1.32	1.84	2.04	2.09	2.09
GRENADA								
MIRABEAU	.38	.50	.56	.56	.56	.59	.69	.75
BARBADOS								
HAGGATTS STA	.60	.57	.70	.75	.76	.76	1.04	1.20
HUSBANDS CMI	.27	.30	.44	.54	.64	.66	1.29	1.30
SEAWELL AIRPORT	.20	.40	.51	.51	.60	.77	.97	.99
GUYANA								
EBINI	.32	.44	.61	.96	1.16	1.24	1.28	1.28
GEORGETOWN BOT G	.44	.70	.76	.86	1.46	1.48	1.51	1.69
MAHAICONY ABARY	.32	.41	.56	.67	.71	.73	1.01	1.04
MATTHEWS RIDGE	.50	.90	.95	.95	.95	.97	1.27	1.27
NEW AMSTERDAM	.20	.30	.43	.47	.48	.48	.48	.48
TIMEHRI CHS	.34	.54	.94	1.60	1.80	1.94	2.00	2.00
WAUNA	.44	.66	.83	.83	.83	.83	.89	.89

TABLE V - SUMMARY OF WINDSPEED RECORDS SEPTEMBER 70

TABLE VI - SUMMARY OF SUNSHINE RECORDS SEPTEMBER 70

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT POSSIBLE TIME	MOST IN A DAY	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)			
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17				0-1-3	3-1-6	6-1-9	9-1-12
TRINIDAD																			
CENTENO	0	7	58	72	74	68	66	62	57	49	40	35	70	0	177-9	49	10-5	1	
PENAL AG STATION	0	0	30	73	68	62	44	41	42	33	27	19	0	0	132-0	37	9-8	8	
PIARCO AIRPORT	0	30	64	75	72	68	58	55	50	43	41	39	17	0	183-6	50	11-2	8	
ST AUGUSTINE UNI	0	1	70	80	80	73	68	56	43	46	41	34	3	0	178-8	49	10-7	1	
TOBAGO																			
CROWN POINT APT	0	28	65	74	83	81	71	74	66	60	64	62	30	0	227-6	62	11-6	1	
LOUIS D/OR	0	9	58	73	75	72	68	72	74	72	69	53	2	0	209-6	57	10-4	8	
GRENADE																			
MIRABEAU	0	9	50	74	76	75	76	76	69	73	64	33	3	0	202-9	66	9-7	10	
BARBADOS																			
HUSBANDS CMI SEAHORN AIRPORT	0	15	71	80	82	82	78	79	78	74	79	67	18	0	249-7	66	10-8	19	
DOMINICA	0	9	63	78	87	83	71	77	75	73	68	38	97	0	256-1	60	11-3	4	
WELVILLE HALL AP ROSEAU	0	7	52	79	84	82	76	77	72	68	66	39	6	0	219-1	58	10-8	6	
JAMAICA																			
DUCKENFIELD	0	17	61	61	70	76	78	69	73	69	51	26	5	0	183-4	54	10-1	29	
MONTEGO BAY	0	21	62	64	69	70	66	55	37	26	24	15	9	0	156-0	42	10-2	5	
MONY MUSK	10	11	42	60	63	72	69	72	62	50	32	10	0	0	183-9	50	9-6	20	
ORANGE RIVER	0	2	59	75	77	75	61	43	42	39	27	11	0	0	152-2	41	8-3	29	
PALISADDES	0	30	71	75	79	85	75	68	59	46	33	21	4	0	194-4	53	9-5	7	
SMITHFIELD	0	20	73	86	89	79	78	56	31	18	16	18	4	0	171-6	46	9-7	1	
WORTHY PARK	0	0	17	73	90	81	85	57	46	33	25	17	3	0	149-0	43	8-9	4	
GUYANA																			
EBINI	0	1	41	55	78	80	87	85	78	75	48	29	7	0	158-1	54	10-1	28	
GEORGETOWN BOT G	0	14	64	68	84	79	79	80	81	75	65	17	0	0	235-4	65	10-8	9	
KAMARANG	0	1	17	61	81	89	84	78	83	76	72	60	19	0	206-8	59	9-8	1	
WAHAICONY ABARY	0	6	58	61	82	89	87	88	89	83	71	55	12	0	234-1	68	10-5	9	
WAZARUNI PRISON	0	0	27	57	75	70	59	55	47	37	25	12	0	0	142-3	38	9-6	5	
NON REPOS	0	14	61	73	88	88	85	86	86	85	78	67	21	0	248-9	68	10-8	1	
ST IGNATIUS	0	25	61	79	82	89	80	86	75	67	69	61	20	0	237-6	65	10-8	30	
WAUNA	0	20	43	67	73	65	56	37	34	28	15	15	1	0	0	8	9	13	

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 70

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER 70

COUNTRY STATION	HEIGHT ABOVE MSL ft	MEAN TEMPERATURE AND HUMIDITY			REDUCED PRESSURE TO MSL mb	MEAN WIND SPEED kt	MEAN PRESSURE REL HUM %	TOTAL CLOUD AMOUNT (heights)			VISIBILITY (No. of Observations) miles	
		MEAN TEMPERATURE LST °F	DRY BULB °F	WET BULB °F				Number of Observations	Partly	Partly + +	Partly - -	Partly - -
JAMAICA												
SMITHFIELD	925	08	78.8	74.6	27.2	81						
WORTHY PARK	1250	07	69.6	68.6	23.3	95						
	15	76.5	73.1	26.4	85							
BELIZE												
BELIZE AIRPORT	17	06	74.8	74.0	28.3	96	1011.5	1.1	6.5	20	1	3
	12	83.5	77.3	29.2	74	1011.8	3.4	0	17	13	1	0
	18	80.4	76.6	24.5	83	1010.4	1.5	5.5	0	4	9	2
									16	2	0	0
GUYANA												
BARTICA POTRERO	400	08	78.6	75.9	29.3	88						
EBINI	60	08	79.2	76.3	29.6	87	1011.6	5.9	4.7	0	6	9
	14	90.2	76.3	25.0	52	1007.8	7.1	4.9	0	19	5	0
GEORGETOWN BOT 6	7	08	81.6	77.2	30.0	82	1011.8	4.8	5.2	0	1	18
GEORGETOWN BOT G	7	14	85.5	77.9	29.2	70	1009.2	7.0	4.3	0	7	15
HOSORORO	08	78.8	76.4	30.1	89							
	14	82.9	77.6	29.9	78							
KAMARANG	08	72.3	70.6	24.8	92	1015.1	0.0	6.1	0	7	21	2
	14	85.1	74.3	24.3	59	1009.4	1.2	6.0	0	7	24	0
MABARUNA	185	08	79.2	76.8	30.4	89	1011.2	3.8	3.3	0	12	14
MATTHEWS RIDGE	08	76.6	74.6	28.3	90							
	14	85.3	77.3	29.4	76							
NAZARUNI PRISON	47	08	78.9	76.5	29.8	88						
NAZARUNI PRISON	47	14	85.4	77.6	28.9	69						
NON REPOS	08	82.6	76.2	28.1	74							
NEW AMSTERDAM	3	14	85.8	76.5	27.0	64						
	08	82.0	77.2	29.8	80							
	14	87.8	78.9	29.7	66							
PORT KAITUMA	08	76.1	74.9	29.0	94							
TIMEHRI AIRPORT	95	14	83.6	78.2	30.5	78	1009.3	0.0	2.6	7	11	7
	02	73.9	75.7	28.1	98							
	08	79.2	76.5	29.9	68	1011.6	3.3	5.5	0	2	12	1
	14	87.4	77.7	28.0	63	1008.6	7.6	6.2	0	9	21	1
TIMEHRI AIRPORT	95	20	76.6	75.4	29.5	94	1009.1	2.1	4.9	0	8	7
TIMEHRI CHS	08	79.7	77.2	30.8	89							
	14	85.7	78.4	30.0	71							
WAUNA	08	78.4	76.8	30.8	70	4.3	3.9					
	14	83.7	77.8	29.9	56	5.6	5.9					

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 70

COUNTRY STATION	RAINFALL (inches)			AIR TEMPERATURE °F			MEAN SUNSHINE DURATION			TOTAL			NO OF DAYS WITH CLEAR SKIES		
	TOTAL AMOUNT	MOST IN A DAY	NUMBER OF DAYS WITH OR MORE THAN A DAY	MEAN			EXTREMES			MEAN GRASS MIN °F	MEAN HR	THUND. FGS	HAIL	WIND	
				MAX	MIN	A	MAX	MIN	1/2 LAT + 01						
TRINIDAD															
PENAL AG STATION	5.59	97	4 13	6	0	84.6	72.4	78.5	87 70	191.6					
PIARCO AIRPORT	4.17	2.92	4 10	1	1	89.0	73.7	81.3	91 70	229.3	4	0	0	0	0
ST AUGUSTINE UWI	4.19	1.45	4 13	3	1	88.7	72.7	80.7	91 69	213.8	11	0	0	0	0
TOBAGO															
CROWN POINT APT	6.12	1.93	5 13	5	1	87.0	71.1	79.1	89 70	233.2	6	0	0	0	0
GRENADA															
MIRABEAU MOUNT HORNE	9.88	2.52	2 21	9	1	84.5	74.0	79.3	86 71	177.6	3	0	0	0	0
BARBADOS															
HUSBANDS CMI SEAWELL AIRPORT	25.90	8.31	2 15	9	7	86.2	74.0	80.1	88 71	189.1	5	0	0	0	0
ST LUCIA															
ROSEAU WINBAN VIGIE AIRPORT	22.58	7.45	2 17	10	5	86.7	72.6	79.6	90 70	169.5					
DOMINICA															
MELVILLE HALL AP ROSEAU	21.13	6.32	4 21	10	7	85.1				190.1					
ANTIGUA															
COOLIDGE AIRPORT DUNBARS	7.12	1.11	25 13	7	2	85.2	75.3	80.2	89 71						
ST KITTS NEVIS															
NEEDSMUST	8.05	3.65	4 14	3	2	88.8	64.7	76.7	93 68						
JAMAICA															
BODLES CAENWOOD CEDAR VALLEY CINCORONA GARDENS DALLAS	4.74	2.52	17	6	3	88.7	68.5	76.1	91.6	1	0	0	0	0	252.3
	9.23	3.82	17	10	4	83.8	77.9	80.9	85.75	74.02					
	7.84	2.28	9	12	6	82.8				85					
	16.69	2.43	14	22	13	70.3	58.3	64.3	73.55						
	7.85	2.75	29	11	5	82.6				88					

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER 70

COUNTRY STATION	TOTAL AMOUNT	RAINFALL (inches)			AIR TEMPERATURE °F						NO OF DAYS WITH		
		MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN .04 .10 1.00	MEAN			EXTREMES			FOG	HAIL	GALE
					MAX	MIN	$\frac{1}{2}(A+B)$	MAX	MIN	$\frac{1}{2}(A+B)$			
JAMAICA													
DUCKENFIELD	4.03	1.43	23	14	4	1	88.1	71.9	80.0	90	68	69.2	253.8
EAST ALBION NURS	1.91	.62	22	8	2	0	89.3	68.7	79.0	91	67		
EMPIRE NURSERY	5.40	1.52	9	13	4	2	82.8	63.7	73.3	85	61		
FARM HILL	7.82	2.15	3	14	7	3	76.5	61.8	69.1	79	60		
FROME	10.43	1.53	17	16	10	5	91.3	71.3	81.2	93	70		
HALLS DELIGHT	8.60	1.73	3	15	8	3	79.3	64.1	71.7	82	62		
HOPE GARDENS	6.34	2.07	8	12	3	2	88.4	60.6	74.5	90	59		
IRWIN	16.19	3.50	30	18	10	5	89.6	67.8	79.9	93	68		
KINGSTON ST.GEO	4.36	1.80	8	7	3	2	89.0	74.3	81.7	92	72		
MARSHALLS PEN							82.9	64.7	73.8	77	60	58.8	
MASON RIVER FIEL	12.40	2.17	13	15	9	5	82.8	63.4	73.1	85	60		
MONTEGO BAY APT	4.90	2.44	16	10	4	1	87.5	73.6	80.5	89	70	269.0	4 0 0
MONMUSK							90.6			93	68	258.0	
MORANT POINT LH	4.09	1.14	22	9	4	2	87.8	72.5	81.2	90	69	4 0 0	
ORANGE RIVER	6.17	1.50	17	10	7	3	68.6			72		230.4	
PALISADES APT	4.09	1.62	9	6	3	2	89.7	77.0	83.4	91	75	256.1	9 0 0
SMITHFIELD	12.88	3.40	16	14	8	4	84.5	69.2	76.9	87	67	247.5	
WORTHY PARK	9.60	1.95	9	17	5	4	85.3	67.0	76.2	87	65	183.3	
BELIZE													
BELIZE AIRPORT	8.40	1.87	13	16	7	3	86.3	73.7	80.0	89	70	212.9	9 3 0
GUYANA													
BARTICA POTATO R	*31	*30	11	1	0	0	91.2	71.9	81.6	96	70		
EBINI	2.91	1.04	7	3	1	1	93.2	72.6	82.6	95	70	241.1	14 3 0
GEORGETOWN BOT G	3.78	1.09	31	9	4	1	87.7	75.9	81.8	90	73	254.8	3 0 0
HOSORORO	8.07	2.01	17	18	8	2	87.7	73.1	80.4	94	71	4 0 0	
KAMARANG	4.04	2.63	17	9	2	1	87.2	68.2	77.7	90	66	64.5	238.1
WABARUMA	10.84	2.10	17	19	8	4	86.7	70.6	78.1	92	71	4 7 0	
MAHAICONY ABARY	1.04	*58	16	3	2	0	88.8	76.2	82.5	90	72		
MATTHEWS RIDGE	5.35	*67	30	22	4	0	88.8	71.5	80.1	92	68		
WAZARUNI PRISON	7.39	1.80	3	11	7	3	89.8	73.3	81.6	92	71	183.3	
WON REPOS	1.85	*56	31	7	2	0	87.6	73.1	81.8	89	71	248.4	
NEW AMSTERDAM	3.85	1.07	31	8	5	1	89.2	74.4	81.8	91	73		
PORT KAITUMA	6.62	1.75	17	12	6	3	87.9	70.0	79.0	94	69		
TIMEHRI AIRPORT	4.12	1.76	17	10	3	1	90.1	72.3	81.2	92	70		
TIMEHRI CHS	4.86	1.54	9	10	5	1	88.8	68.8	78.8	91	67	68.7	
WAUNA	9.19	2.96	17	19	9	1	88.0	70.7	79.4	92	69	182.8	18 22 0

TABLE II SUMMARY OF DAILY OBSERVATIONS OCTOBER '70

COUNTRY STATION	RAINFALL (inches)					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN		
				.04	.40	1.00

TRINIDAD

COCAL EST	11.52	2.87	4	18	8	4
GREEN HILL RIVER	6.02	1.84	19	14	4	1
GUAYAGUAYARE	7.22	3.53	2	10	4	1
LA PASTORA	7.97	2.81	2	11	4	2
MATELOT	8.15	1.04	4	17	8	1
NAVET DAMSITE	5.54	1.41	23	17	4	1
POINT FORTIN	8.42	1.50	3	12	8	2
PORT OF SPAIN R	8.31	1.28	6	15	9	2
QUAREDAM HOLLIS	7.02	1.87	4	18	6	1
WATERLOO EST	2.19	.62	4	9	1	0

TOBAGO

CASTARA	3.47	1.05	2	18	5	3
MORIAH	8.02	2.32	5	16	8	1
PLYMOUTH WHITE R	8.02	2.52	5	16	7	3
SCARBOROUGH BOT	7.02	2.95	4	15	4	1
SPEYSIDE	10.91	3.08	2	22	8	3

BARBADOS

BELLE ST M	23.32	9.25	2	19	10	4
CASTLE GRANT	28.08	10.36	2	17	11	7
CLIFTON HALL	29.30	1.47	6	18	11	8
EDGECUMBE ST P	17.21	6.40	2	16	10	4
HOLETOWN ST JA	20.80	8.49	2	14	9	2
PORLTAND RIVER ST P	28.61	11.08	2	20	11	5
	17.74	5.77	1	16	8	5

TABLE III - SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS OCTOBER 70

COUNTRY STATION	RUN OF WIND (in. miles)		EVAPORATION (inches)		SOIL TEMPERATURES OF At 2 inch depth						TOTAL RADIATION (langleys)				
	DAILY	MEAN	TOTAL	MOST	IN A	DATE	MEAN	MAX	MIN	EXTREMES	MEAN	MAX	MIN	AMOUNT	LEAST
							MAX	DATE	MIN	MAX	MIN	MAX	MIN	IN A DAY	IN A DAY
TRINIDAD															
PENALAG STATION	53	104	5.13	30	13	93.4	77.9	101	29	74	89.6	81.4	95	78	
PIARCODA AIRPORT	87	135	7.05	36	1										
ST AUGUSTINE. UWI	18	56	3.79	23	1										
GRENADA															
MIRABEAU	64	121	4.78	23	13	93.8	78.2	100	9	74	88.1	80.0	93	77	
BARBADOS															
HUSBANDS CMI	120	220	6.96	36	11										
JAMAICA															
BODLES DUCKENFIELD	37	73	25.28	33	16										
EAST ALBION NURS	17	33	4.26	26	22	8									
EMPIRE NURSERY	13	21	6.72	31	9										
FARM HILL	20	126	3.52	24	20	19									
MONTEGO BAY AIRP	75	140	5.50	28	29										
ORANGE RIVER	27	43	7.24	50	12	88.6	73.3	94	14	70	88.6	78.1	94	74	
PALISADDOES APR	74	114	4.77	24	4	90.0	73.4	95	6	71	86.5	76.4	91	74	
SMITHFIELD	56	72	4.68	21	6										
WORTHY PARK	23	82	4.68	21	6										
GUYANA															
EBINI	76	101	8.04	36	17										
GEORGETOWN BOT G	76	112	6.03	29	8										
KAWARANG	36	47	6.14	31	25										
WAHAICONY ABARY	64	124	7.56	33	23										
WAUNA	17	32	5.39	32	15	91.9	75.7	97	13	73					

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS OCTOBER 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME							
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours	12 hours
TRINIDAD								
CENTENDO	.28	.36	.52	.69	1.52	2.12	2.67	2.85
PENAL AG STATION	.45	.52	.56	.74	.81	.84	.91	.97
PIARCO AIRPORT	.28	.53	.65	1.02	1.85	2.43	2.79	2.92
ST AUGUSTINE UWI	.39	.39	.40	.71	.91	1.35	1.45	
TOBAGO								
CROWN POINT APT	.28	.51	.63	.87	1.06	1.58	1.59	1.61
LOUIS D/OR	.36	.52	.74	1.14	1.54	2.66	3.10	3.30
GRENADA								
MIRABEAU	.26	.40	.43	.60	1.07	1.87	2.47	2.50
BARBADOS								
HAGGATTS ST A	1.00	1.40	1.56	2.40	3.96	5.52	11.04	14.72
HUSBANDS CMI	.53	.86	1.22	1.92	2.43	4.39	12.32	15.29
LION CASTLE ST T	.52	.70	1.00	1.47	2.27	4.11	11.15	12.45
GUYANA								
EBINI	.36	.62	.88	1.04	1.04	1.04	1.04	1.04
GEORGETOWN BOT G			.84	.97	1.00	1.00	1.09	1.09
KAMARANG	.54	.74	.89	1.49	2.10	2.55	2.57	2.63
MAHAICONY ABARY	.33	.37	.41	.42	.45	.51	.51	.51
NEW AMSTERDAM	.44	.60	.73	.82	.89	1.00	1.07	1.07
TIMEHRI CHS	.38	.51	.56	.74	.76	.76	.76	.76
WAUNA	.52	.80	1.00	1.60	2.62	2.94	2.96	2.96

TABLE V - SUMMARY OF WINDSPEED RECORDS OCTOBER '70

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED		
	DIRN	SPEED	HOUR	DATE	DIRN	SPEED	HR	DATE	33	47	63	
TRINIDAD												
PIARCO AIRPORT	08	15	14	15	07	25	1145	30	0	0	0	4.3
TOBAGO												
CROWN POINT APT	11	20	21	5	11	33	1235	7	0	0	0	6.9
ANTIGUA												
COOLIDGE AIRPORT	14	20	10	8	14	42	1650	2	3	0	0	9.1
JAMAICA												
MONTEGU BAY	08	16	15	18	18	28	1635	16	0	0	0	4.4
PALISADES APT	12	19	14	17	12	32	1555	17	0	0	0	3.8

TABLE VI - SUMMARY OF SUNSHINE RECORDS OCTOBER 70

COUNTRY STATION	MEAN DURATION (hours) OF AN HOUR DURING SPECIFIED HOURS (Local Apparent Time)												NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)											
	0-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27		
TRINIDAD																								
CENTENO	0	3	54	86	86	78	73	73	62	55	58	58	18	0	219.8	60	10.7	20	0	5	7	8	11	0
PENAL AG STATION	0	4	58	77	81	77	68	62	58	53	45	33	0	191.6	52	10.2	29	0	5	9	11	6	0	
PIARCO AIRPORT	0	23	73	85	86	77	73	66	57	57	56	19	0	229.3	62	11.0	1	0	5	7	4	15	0	
ST AUGUSTINE UWI	0	13	74	84	88	79	74	69	64	58	59	28	0	213.8	58	10.3	29	0	5	7	10	9	0	
TOBAGO																								
CROWN POINT APT	0	21	69	81	84	86	81	71	77	73	56	58	23	0	233.2	65	11.2	1	0	3	4	8	15	0
LOUIS D/OR	0	9	55	70	80	84	80	76	75	71	61	41	2	0	218.4	61	10.1	29	0	4	6	12	9	0
grenada																								
MIRABEAU	0	7	47	62	67	76	71	67	63	54	37	21	5	0	177.6	49	9.7	13	1	3	8	15	2	0
BARBADOS																								
HUSBANDS CMI	0	35	60	69	69	68	67	70	67	64	49	45	11	0	189.1	57	11.6	19	1	5	7	4	11	0
SEAWELL AIRPORT	0	13	51	65	64	69	77	70	65	65	61	52	20	0	208.3	57	10.9	19	3	3	7	5	13	0
DOMINICA																								
MELVILLE HALL AP	0	5	47	64	72	77	74	62	51	44	43	36	5	0	169.5	46	10.2	21	1	9	6	8	7	0
ROSEAU	0	6	46	68	71	71	66	62	63	59	57	43	5	0	190.1	52	10.5	20	3	5	5	7	11	0
JAMAICA																								
BOODLES	0	15	92	99	97	92	96	95	85	62	46	24	10	0	252.3	69	10.8	21	0	0	2	20	9	0
DUCKENFIELD	0	13	92	99	99	99	95	88	65	55	54	42	15	0	253.8	70	10.5	6	0	0	4	18	9	0
WONTEGO BAY	0	22	90	90	95	95	99	92	86	73	61	51	14	0	269.0	73	10.9	3	0	0	2	14	15	0
MONY MUSK	0	29	87	84	93	89	91	93	87	82	60	42	0	0	258.0	71	10.4	26	0	0	3	15	15	0
ORANGE RIVER	0	0	82	93	93	89	87	85	76	61	44	25	6	0	230.4	63	10.5	26	0	0	6	18	6	0
SMITHFIELD	0	44	90	97	97	93	92	78	68	46	43	35	15	0	247.5	68	11.0	26	0	0	7	13	11	0
GUYANA																								
EBINI	0	1	47	71	82	88	88	83	85	74	63	58	15	0	241.1	65	10.5	28	0	0	5	12	13	0
GEORGETOWN BOT	6	0	15	66	75	84	89	91	85	83	78	72	19	0	254.8	68	10.4	9	0	0	1	6	18	0
KAWARANG	0	2	27	54	75	84	95	91	85	85	85	85	21	0	238.1	64	9.7	20	0	0	6	19	6	0
WAZARUNI PRISON	0	13	55	76	84	86	87	84	86	83	71	55	21	0	183.5	60	9.4	28	0	0	3	9	13	2
NON REPOS	0	1	51	78	84	79	72	60	50	46	36	27	6	0	248.4	67	11.0	28	0	0	2	5	8	16
WAUNA	0	1	51	78	84	79	72	60	50	46	36	27	6	0	182.8	49	9.4	21	0	0	10	12	2	0

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 70

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				MEAN PRESSURE TO MSL mb	MEAN WIND SPEED km hr	TOTAL CLOUD AMOUNT (heights)		VISIBILITY (No. of Observations) yards			
			DRY BULB °F	WET BULB °F	REL VAPOUR PRESS %	REL HUM %			Number of Observations		miles			
									MEAN AMT	0 1,2	3-5	6-7	8	
TRINIDAD														
CENTENO PIARCO AIRPORT	50	08	77.2	75.1	28.8	90	1010.1	0.4	1.6	1	1	1	0	
	41	02	72.2	71.3	25.8	96	1011.4	1.1	3.3	1	1	1	0	
	08	76.5	74.0	27.5	88	1011.4	0.8	4.4	0	8	11	1	29	
	14	84.3	76.4	27.6	69	1009.8	5.7	5.9	0	1	1	0	1	
	20	76.1	73.7	27.4	89	1010.5	0.8	3.9	1	9	8	0	0	
PENAL AG STATION ST AUGUSTINE UNI	25	08	76.0	74.4	28.2	92	1011.7	0.6	1.3	0	8	11	2	
	52	08	78.7	75.3	28.4	85	1009.6	0.2	6.4	0	0	4	2	
	16	82.2	76.0	28.0	75	1009.6	0.2	6.4	0	0	4	2	1	
TOBAGO														
CROWN POINT AIRP	9	08	82.1	77.1	29.6	79	1012.0	7.2	4.9	0	4	12	13	
	14	83.4	77.4	29.5	75	1009.9	9.2	5.2	0	5	8	16	1	
LOUIS D/OR	40	08	81.7	76.5	29.0	79			1.2	0	0	0	29	
grenada														
MIRABEAU	450	08	79.8	77.3	31.2	90			5.4	0	0	0	4	
MOUNT HORNE	500	08	79.5	76.1	29.2	85			5.8	0	0	0	26	
BARBADOS														
HUSBANDS CMI	370	08	79.4	75.2	27.8	81	1011.8	7.2	4.2	0	8	12	10	
	14	81.9	75.3	27.0	73	1010.6	8.8	5.7	0	0	1	0	1	
SEAWELL AIRPORT	183	02	75.6	73.7	27.5	91	1011.2	5.1	3.4	0	7	9	14	
	08	80.1	75.7	28.5	81	1011.5	6.7	4.1	0	14	13	3	30	
	14	83.7	76.8	28.4	72	1005.5	7.9	4.6	0	7	12	11	0	
	20	77.9	74.8	28.0	86	1011.5	5.4	4.3	0	8	11	8	29	
ST LUCIA														
VIGIE AIRPORT	7	08	80.4	79.7	24.3	69	1011.6	2.3	3.4	0	1.1	9	5	
Dominica														
MELVILLE HALL AP	43	09	61.6	76.2	28.8	78	1013.6	4.1	4.2	0	4	19	6	
	14	83.2	76.6	27.3	70	1012.0	5.7	4.7	0	2	19	8	1	
ROSEAU	220	09	81.9	77.0	29.2	79				0	0	0	0	
ANTIGUA														
COOLIDGE AIRPORT	26	08	78.7	74.9	27.8	83	1012.8	7.9	3.5	0	10	15	4	
	20	78.1	74.1	27.0	82	1012.5	7.7	2.7	0	17	10	3	27	
										0	0	0	0	

TABLE I.—SUMMARY OF OBSERVATIONS ON MEXICAN MOLES NOVEMBER 1917

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER 70

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				NO OF DAYS WITH				
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH, OR MORE THAN	MEAN	MAX	MIN	MEAN 1/2 (A+B)	EXTREMES	MEAN GRASS MIN	SUNSHINE DURATION	THUNDER- STORMS	HAIL
TRINIDAD													
CENTENDO	8.31	2.09	30	17	5	3	86.7	68.6	77.6	90	62	177.7	
PENALAG STATION	5.91	0.99	1	15	6	0	83.6	70.6	77.1	88	66	166.2	
PIARCO AIRPORT	9.74	2.37	5	14	6	4	87.3	70.5	78.9	90	65	182.1	8 1 0 0
ST AUGUSTINE UNI	11.18	2.02	5	15	7	5	86.9	69.7	78.3	90	65	66.5	190.4 9 0 0 0
TOBAGO													
CROWN POINT APT	4.53	2.11	3	11	2	1	86.5	71.7	79.1	88	66	226.2	3 0 0 0
LOUIS D/OR	4.06	0.74	14	15	3	0	84.8	73.3	79.0	87	68	240.2	
grenada													
MIRABEAU MOUNT HORNE	11.96	2.18	28	18	9	5	84.1	71.7	77.9	85	68	204.7	2 0 0 0
10.83	2.65	28	22	7	4	86.5	72.8	79.6	89	70		242.5	
BARBADOS													
HUSBANDS CMI SEAWELL AIRPORT	7.31	2.35	14	14	5	2	85.1	72.2	78.6	87	67	224.8	3 0 0 0
7.02	2.20	26	14	5	2	85.6	73.4	79.5	88	70		234.6	
ST LUCIA													
ROSEAU WINBAN VIGIE AIRPORT	8.65	3.15	30	14	5	2	86.6	70.6	78.6	89	64	230.3	
9.71	3.90	12	16	6	2	86.3	72.0	79.2	89	68			
DOMINICA													
MELVILLE HALL AP ROSEAU	16.02	5.02	28	23	9	3	84.4			87		199.2	
3.33	0.63	27	13	3	0	85.4	75.9	80.7	89	72		230.5	
JAMAICA													
BERNARD LODGE BODLES	3.65	0.82	17	14	3	0	69.8			65		186.0	
3.23	1.16	14	11	3	1	86.2	62.4	74.2	89	57		168.6	
CAENWOOD CEDAR VALLEY	24.14	4.79	9	24	10	7	81.6	74.6	78.1	86	66	72.1	
1.3.79	2.28	10	15	8	4	79.9	61.9	70.9	84	54			
CINCHONA GARDENS	38.64	7.00	26	23	12	7	67.5	56.4	62.0	72	53		
DUCKENFIELD EAST ALBION NURS	12.90	2.19	15	11	6	6	83.9	72.3	78.1	87	62	132.3	
1.5.29	1.08	13	8	2	1	86.4	66.6	76.5	89	62			
EMPIRE NURSERY FARM HILL	29.21	7.42	26	16	8	7	79.8	62.7	71.3	83	58		
30.45	1.14.8	8	23	12	6	72.9	60.1	66.5	75	56			
5.24	1.40	12	12	5	1	87.0	70.5	78.8	92	65		196.0	

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER 70

COUNTRY STATION	RAINFALL (inches)				AIR TEMPERATURE °F				MEAN SUNSHINE DURATION				NO OF DAYS WITH			
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN	MEAN	MAX	MIN	MEAN ((A+B))	EXTREMES MAX MIN	GRASS MIN	TOTAL HR	FOG	HAIL	GALE		
	.04	.40	1.00	A	B											
JAMAICA																
HALLS DELIGHT	31.04	11.05	8	17	9	6	76.2	62.3	69.3	88	59					
HOPE GARDENS	8.76	1.17	8	12	7	2	84.9	58.8	71.9	89	55					150.5
IRWIN	15.18	4.60	7	13	9	8	83.9	69.1	76.5	91	65					
KINGSTON ST. GEO	4.77	1.45	14	9	6	1	86.1	72.1	79.1	90	67					
MARSHALS PEN	4.26	1.12	10	11	4	1	78.3	63.4	70.9	86	55	59.6		5	4	0
MASON RIVER FIEL	11.18	3.23	6	11	7	3	77.0	62.8	69.9	84	58					
MORIEGO BAY APT	7.54	2.09	17	8	8	2	83.6	72.2	77.9	87	69					155.8
MONTYNAK	3.69	1.35	16	9	2	2	88.7					93				
MORRANY POINT LH	15.33	2.18	9	13	9	6	84.4	72.4	78.4	88	62					
NEGRIJ POINT LH	2.26	.42	16	10	2	0	87.0	72.3	79.7	92	69					
ORANGE RIVER	17.47	7.05	8	13	8	5	68.0			65						152.1
PALISADES APT	2.55	1.28	14	10	1	1	86.9	74.9	80.9	90	69					198.4
RICHMOND	1.23	.17	14	13	0	0	82.9	71.3	77.3	87	67					0
SMITHFIELD	11.77	3.83	17	12	7	3	80.1	68.0	74.0	84	65					166.6
WORTHY PARK	11.16	2.55	1.8	15	9	4	80.1	65.1	72.6	85	61					
BELIZE																
BELIZE AIRPORT	4.58	1.63	10	13	4	1	81.4	66.4	73.9	87	57					
GUYANA																
BARTICA POTATO R	16.50	5.05	4	10	5	4	91.1	71.7	81.4	95	69					
EBINI	10.82	2.95	20	15	6	3	89.8	72.3	81.1	92	69					0
GEORGETOWN BOT G	13.08	3.67	20	14	8	5	84.9	74.8	79.9	88	73	70.6	160.4	5	0	0
HOSORORO	9.87	1.83	4	21	8	4	85.9	71.9	78.9	89	70			4	0	0
KAMARANG	6.70	3.31	4	8	6	1	84.9	67.8	76.3	89	66	65.2	187.4			
MABARUMA	8.48	1.39	20	18	7	3	87.0	71.9	79.5	91	70					
MAHAICONY ABARY	9.06	2.59	20	16	5	2	86.6	73.8	80.2	88	71					
MATTHEWS RIDGE	7.00	1.78	20	13	6	2	88.4	71.4	79.9	92	68					
MAZARUNI PRISON	7.49	2.35	20	17	4	2	88.9	72.7	80.8	91	70	144.9	3	9	0	0
MON REPOS	10.94	2.25	22	16	7	4	85.2	74.3	79.7	87	72	175.4				
NEW AMSTERDAM	11.33	3.85	22	16	6	4	87.9	73.6	80.8	90	71					
PORT KAITUMA	9.04	2.78	20	19	6	2	90.0	70.1	80.1	94	68					
ST. IGNATIUS	2.93	1.98	4	6	1	1	91.3	74.1	82.7	94	72	221.9				
TIMEHRI AIRPORT	11.01	2.38	22	17	9	3	87.8	71.9	78.9	91	69					
TIMEHRI CHS	6.25	.97	22	15	8	0	89.1	69.2	79.2	92	66	68.5	98.6	10	5	0
WAUNA	11.88	2.12	25	19	10	4	86.6	70.0	78.3	90	68			14	12	0

TABLE II SUMMARY OF DAILY OBSERVATIONS NOVEMBER '70

COUNTRY STATION	TOTAL AMOUNT	MOST IN A DAY	DATE	RAINFALL (inches)		
				.04	.40	1.00
TRINIDAD						
COCAL EST	10.16	1.10	16	21	11	2
GREEN HILL RIVER	7.76	1.22	15	16	8	3
GUAYAGUAYARE	6.50	2.00	7	12	5	3
LA PASTORA	12.01	2.53	8	17	8	7
MATELOT	8.36	1.05	8	17	9	3
NAVET DAM SITE	11.28	1.80	8	21	7	4
POINT FORTIN	7.37	3.23	4	15	4	1
PORT OF SPAIN R	13.41	4.45	8	17	9	4
QUAREDAM HOLLIS	11.32	1.12	8	22	9	2
WATERLOO EST	11.98	3.50	8	17	8	5
TOBAGO						
CASTARA HILLSBOROUGH DAM	8.01	1.35	15	21	9	1
MORIAH	6.22	1.62	30	15	8	1
PLYMOUTH WHITE R	5.74	1.24	17	15	8	1
SCARBOROUGH BOT	6.34	1.35	27	17	4	2
SPEYSIDE	6.42	1.40	30	14	6	2
6.36	1.33	30	18	4	2	
BARBADOS						
BELLE ST W	6.31	1.22	10			
CASTLE GRANT	10.83	3.32	27			
CLIFTON HALL	6.10	1.36	27	16	5	2
EDGEcumbe ST P	7.86	1.62	14	16	7	2
LION CASTLE	8.54	2.02	26	19	9	2
PORTLAND RIVER ST P	8.91	2.97	27	16	6	2
5.75	1.61	26	14	8	1	

TABLE III - SUMMARY OF AGROMeteorological OBSERVATIONS NOVEMBER 70

COUNTRY STATION	RUN OF WIND (in. miles)	EVAPORATION (inches)	SOIL TEMPERATURES °F								TOTAL RADIATION (langley's)		
			At 2 Inch depth				At 4 Inch depth				TOTAL AMOUNT	MOST IN A DAY	LEAST IN A DAY
			MOST IN A DAY	TOTAL AMOUNT	DATE	MEAN MAX	EXTREMES	MEAN MIN	DATE	MEAN MAX			
TRINIDAD													
CENTENO	3.8	7.2											
PENAL AG STATION	3.1	6.0	3.60	2.29	18	88.4	73.5	100	18	71	85.1	76.8	98.76
PIARCO AIRPORT	6.2	8.2	5.77	4.32	27								
ST AUGUSTINE UNI	7	2.9	2.89	1.71	18								
TOBAGO													
LOUIS D/QR	2.6	3.7											
GRENADE													
MIRABEAU	5.3	7.7	4.22	2.22	19	94.1	76.4	103	23	74	85.5	77.1	90.70
BARBADOS													
HUSBANDS CMI	7.0	12.1	5.35	5.29	5								
DOMINICA													
ROSEAU	6.6	9.4											
JAMAICA													
BODLES	4.5	15.3	5.08	2.8	11								
EAST ALBION NURS	1.1	2.7	5.54	3.1	1								
MONTEGO BAY AIRP	11.8	27.6											
ORANGE RIVER	6.8	8.3											
PALISADES APR	7.3	13.5											
SMITHFIELD	6.9	11.2	3.77	2.3	4	61.9	70.4	90	4	67	80.2	72.8	86.69
GUYANA													
ÉBINI	4.6	7.3	5.68	2.5	2	95.8	77.8	100	2	75	90.7	78.9	95.77
GEORGETOWN BOT G	5.2	8.7	3.98	2.1	12								
KAWARANG	3.6	5.2	5.10	3.1	4								
TIMEHRI CHS	3.3	5.3											
WAUNA	1.2	2.9	3.97	2.7	24	90.6	73.9	96	8	70			

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS NOVEMBER 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME						
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours
TRINIDAD							
CENTENO	*3.6	*4.0	*6.0	*7.0	1.32	1.48	1.84
PENAL AS STATION	*3.4	*4.0	*5.0	*5.6	*6.7	*7.8	*9.9
PIARCO AIRPORT	*5.1	*8.3	*9.8	*12.8	1.89	1.98	2.37
ST AUGUSTINE UNIT	*6.0	*8.0	*12.3	*14.3	1.43	1.96	1.96
TOBAGO							
CROWN POINT APT	*2.5	*4.3	*4.9	*6.7	*7.5	*9.1	1.58
LOUIS D'OR	*1.4	*2.2	*2.6	*4.5	*6.3	*6.3	*7.0
grenada							
MIRABEAU	*4.0	*6.4	*7.4	*9.4	1.05	1.10	1.42
BARBADOS							
HAGGATTS STA	*6.4	*9.4	1.02	1.62	2.05	2.54	2.98
HUSBANDS CMI	*4.5	*6.7	*8.7	1.60	2.03	2.03	2.29
LION CASTLE STA	*4.0	*6.2	*7.0	1.20	1.42	1.42	1.68
SEAWELL AIRPORT	*3.8	*5.7	*5.7	*8.0	1.61	2.16	2.20
GUYANA							
APOTERI	*1.2	*2.4	*2.4	*2.4	*4.2	*5.3	*6.9
EBINI	*6.0	1.04	1.30	1.86	2.00	2.79	2.80
GEORGETOWN BOT G	*6.0	*8.8	*9.4	*15.6	2.04	2.52	3.21
KAWARANG	*4.4	*6.0	*8.6	*14.6	1.79	2.30	3.19
MAHAI CONY ABARY	*4.0	*4.8	*6.1	*8.8	1.12	1.74	2.16
MATTHEWS RIDGE	*2.5	*3.4	*4.4	*6.1	*8.0	*8.5	1.17
NEW AMSTERDAM	*5.0	*7.6	*9.8	1.40	1.82	1.85	2.75
ST IGNATIUS	*2.6	*4.7	*7.0	*8.5	*9.5	1.16	1.63
TIMEHRI CHS	*3.6	*4.4	*5.5	*5.5	*5.5	*7.3	*9.7
WAUNA	*6.8	1.18	1.33	1.97	2.39	2.43	2.44

TABLE V - SUMMARY OF WINDSPEED RECORDS NOVEMBER 70

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED
	HRZ SPD	HRZ SPD	HRZ SPD	MIN HRZ SPD	MAX HRZ SPD	HRZ SPD	HRZ SPD	HRZ SPD	HRZ SPD	
TRINIDAD										
PIARCO AIRPORT	09	16	13	2	29	30	1140	8	0	0
TOBAGO										2•8
CROWN POINT APT	13	20	12	1	13	40	1040	1	1	5•2
ANTIGUA										
COOLIDGE AIRPORT	09	19	05	15	09	33	0420	15	0	0
JAMAICA										8•2
MONTEGO BAY	07	20	22	26	07	31	2125	26	0	0
PALISADOES APT	12	15	21	7	12	23	2055	7	0	2•9

TABLE VI - SUMMARY OF SUNSHINE RECORDS NOVEMBER 70

COUNTRY STATION	MEAN DURATION (hundredths of an hour)												TOTAL DURATION (hours)	PERCENT POSSIBLE	MOST IN A DAY	NO. OF DAYS WITHIN THE RANGES (hours)	NO. OF DAYS WITH AMOUNTS MORE THAN 12							
	0-6	6-9	9-12	12-15	15-18	18-21	21-24	24-27	27-30	30-33	33-36	36-39												
TRINIDAD																								
CENTENO	0	16	68	77	71	74	71	61	57	45	38	37	97	0	177.7	54	10.5	29	9	6	11	5	0	
PENAL AG STATION	0	2	51	68	71	67	69	59	49	45	46	45	23	0	166.2	49	10.2	18	1	7	6	10	4	0
PIARCO AIRPORT	0	17	65	79	69	70	65	57	60	41	37	33	13	0	182.1	52	10.7	29	1	6	6	12	5	0
ST AUGUSTINE UNI	0	21	78	76	76	77	69	64	57	52	39	24	0	0	190.4	54	10.2	12	1	5	6	9	8	0
TOBAGO																								
CROWN POINT APT	8	24	74	78	85	84	85	79	77	65	62	53	14	0	226.2	67	10.7	2	2	2	2	16	8	0
LOUIS D/OR	8	19	84	82	84	83	82	75	75	79	74	62	1	0	240.2	69	10.5	9	0	2	4	9	15	0
grenada																								
MIRABEAU	0	14	64	62	72	74	79	78	73	68	56	36	63	0	204.7	59	10.2	2	0	3	0	13	6	0
barbados																								
HUSBANDS CMI	0	34	77	78	82	82	75	71	60	54	47	11	0	224.8	65	11.0	2	0	1	9	8	12	0	
SEAWELL AIRPORT	0	10	66	76	79	88	86	85	83	70	64	54	20	0	234.6	68	10.8	11	0	2	4	8	14	0
dominica																								
NELVILLE HALL AP	0	0	45	69	74	81	78	70	67	64	58	47	12	0	199.2	58	10.1	17	1	4	8	12	5	0
ROSEAU	0	11	81	87	81	82	79	74	70	69	74	58	2	0	230.5	67	10.3	7	0	0	7	12	11	0
jamaica																								
BODLES	0	4	57	68	68	76	76	65	64	56	43	37	11	0	168.8	55	10.5	22	1	4	9	11	5	0
DUCKENFIELD	0	3	35	46	55	63	66	66	58	60	41	1	1	0	132.3	49	10.0	4	3	7	7	4	0	
FRONE	0	11	62	67	75	79	73	69	65	52	47	43	1	0	196.0	58	10.5	21	0	6	7	6	11	0
MONTEGO BAY	0	1	41	50	59	62	60	55	53	50	42	40	7	0	155.8	46	10.3	46	1	3	9	5	3	0
ORANGE RIVER	0	0	31	50	66	67	61	57	54	50	39	26	6	0	152.1	45	9.0	20	3	7	3	16	1	0
PALISADES	0	17	61	70	75	72	68	74	68	64	51	38	4	0	198.4	58	10.3	1	0	5	8	5	1	0
SMITHFIELD	0	15	45	52	65	61	61	59	58	45	45	32	8	0	166.6	49	10.7	21	3	8	4	6	9	0
guyana																								
EBINI	0	8	23	40	60	70	70	71	60	41	34	10	0	168.9	48	9.7	12	0	3	15	7	3	0	
GEORGETOWN BOT	6	0	2	54	52	51	52	58	61	57	54	50	37	63	0	160.4	45	10.1	12	0	10	6	8	0
KAWARANG	0	2	28	47	64	65	67	77	78	67	67	52	10	0	187.4	53	9.7	8	0	3	8	16	3	0
WAZARUNI PRISON	0	3	18	44	63	68	66	66	58	46	33	19	0	0	144.9	41	8.9	27	1	8	10	11	0	
MON REPOS	0	17	53	60	59	57	59	60	58	59	57	34	12	0	175.4	49	11.0	14	0	10	6	3	11	0
ST IGNATIUS	0	33	55	65	66	70	69	70	74	75	69	56	29	0	221.9	61	11.4	15	9	5	4	8	15	0
TIMEHRI CHS	0	2	17	31	40	43	36	40	34	36	27	16	4	0	298.5	28	8.9	12	1	16	8	4	0	

SECRETARY OF OBSERVATIONS AND RECORDS HOURS DECEMBER 70

TABLE I SUMMARY OF OBSERVATIONS AT FIXED HOURS, DECEMBER 70

COUNTRY STATION	HEIGHT ABOVE MSL ft	HOUR LST	MEAN TEMPERATURE AND HUMIDITY				REL REDUCED PRESS TO MSL mb	MEAN PRESSURE TO MSL mb	TOTAL CLOUD AMOUNT (heights)			VISIBILITY (No. of Observations) Yards				
			DAY BULB	WET BULB	VAPOR PRESS	HUM %			Number of Observations			miles				
									MEAN WIND SPEED hr	MEAN AMT	0	1, 2	3-5	6-7	8	9
JAMAICA																
BERNARD LODGE	55	08	75.8	71.3	24.2	80										
BODLES	60	14	82.0	74.7	26.2	70										
CEDAR VALLEY	1980	07	71.3	68.6	22.9	88										
CEDAR VALLEY	1980	13	85.0	74.5	24.5	60										
CINCHONA GARDENS	4697	07	59.6	58.1	15.6	89										
DALLAS	950	15	62.9	60.8	17.4	89										
DUCKENFIELD	60	08	80.4	72.9	24.4	96										
EMPIRE NURSERY	2130	07	64.3	53.1	19.2	93										
FARM HILL	4020	13	79.2	72.1	23.8	70										
HALLS DELIGHT	3020	07	69.5	63.8	17.8	72										
HOPE GARDENS	7112	07	67.6	63.8	18.3	65										
IRWIN	80	08	76.7	73.7	26.9	80										
KINGSTON ST GEO	90	07	71.6	68.4	22.3	84										
MASON RIVER FIEL	2300	07	65.9	65.0	25.7	62										
MONTEGO BAY APT	3	01	75.3	71.6	24.7	88	1014.1	5.8	2.6	0	21	4	6	0	0	
MONYNUK	30	13	81.8	74.8	26.3	81	1014.2	7.3	4.2	0	9	10	12	0	0	
MORANT POINT LH	6	01	79.5	75.3	28.1	82	1013.8	14.8	4.5	0	11	4	6	0	0	
ORANGE RIVER	950	07	79.2	75.3	28.2	83	1013.6	7.1	3.6	0	14	8	9	0	0	
		13	82.5	77.2	29.6	78	1013.6	9.7	5.2	0	2	14	15	0	0	
		19	80.0	75.6	28.4	81	1013.6	10.8	4.0	0	5	20	6	0	0	
		08	73.1	71.1	25.1	90	9.8	3.8	0	9	15	7	0	0	0	

TABLE I. SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER 70

TABLE II SUMMARY OF DAILY OBSERVATIONS, DECEMBER 70

COUNTRY STATION	TOTAL AMOUNT	MOST IN A DAY	DATE	RAINFALL (inches)		AIR TEMPERATURE °F			MEAN GRASS MIN HR			MEAN EXTREMES MAX MIN			NO OF DAYS WITH FOG TRUNNEL HAIL GALF		
				0.4	4.0	0.4	1.00	A	B	1/2(A+B)	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
TRINIDAD																	
CENTENO PENAL AG STATION	8.42	1.16	15	23	7	1	84.8	70.4	77.6	87	64		205.2				
PIARCO AIRPORT	6.02	1.16	16	18	7	1	83.8	70.3	77.1	88	66		154.6				
ST AUGUSTINE UNI	6.88	1.00	15	19	6	1	85.9	71.5	78.7	89	68		208.9	1	0	0	
TOBAGO	4.23	0.88	4	18	2	0	86.2	76.1	78.5	88	67		222.8	2	0	0	
CROWN POINT APT LOUIS D'OR	8.11	1.51	14	17	7	2	86.1	71.2	78.7	88	62		244.9				
GRENADA	10.52	1.88	29	22	9	3	83.1	74.7	78.9	87	72		209.3				
MIRABEAU MOUNT HORNE	8.70	1.13	15	26	7	3	82.3	72.0	77.2	84	68		136.4				
BARBADOS	8.64	1.72	14	23	8	2	84.2			87			181.3				
HUSBANDS CMI SEAWELL AIRPORT	4.78	1.11	15	14	4	1	83.7	72.2	78.0	85	68		229.6				
ST LUCIA	4.00	0.61	13	16	4	0	84.6	74.3	79.5	87	71		223.4				
ROSEAU WINBAN VIGIE AIRPORT	8.65	3.15	30	14	5	2	83.8	68.3	76.1	89	64		230.3				
DOMINICA	6.42	1.30	14	18	5	2	85.1	72.7	78.9	87	68						
WELVILLE HALL AP	17.43	3.98	8	21	11	7	83.6	72.3	78.0	87	69		88.4				
ANTIGUA																	
COOLIDGE AIRPORT	8.70	2.89	2	16	7	2	81.9	68.9	75.4	84	63						
JAMAICA																	
BERNARD LODGE BODLES	8.9	0.80	31	2	1	0	88.8	65.7	77.3	92	61		271.0				
CAENWOOD CEDAR VALLEY	8.0	0.56	31	4	1	0	86.9	61.1	74.0	90	53		208.1				
CINCHONA GARDENS	9.77	4.28	31	20	5	1	83.5	77.2	80.4	86	75		74.9				
DUCKENFIELD EAST ALBION NURS	2.23	0.82	14	10	10	0	80.6	57.5	69.1	83	49						
EMPIRE NURSERY FARM HILL	8.82	2.48	10	18	4	2	68.8	55.2	62.0	71	52						
FROWNE	3.66	1.35	31	11	3	1	83.7	74.4	79.1	85	70		173.2				
	1.14	0.69	31	3	1	0	88.5	65.1	76.8	91	61						
	1.40	0.67	10	6	1	0	78.7	61.7	70.2	84	57						
	5.42	4.01	16	11	2	1	72.3	57.3	64.8	74	56						
	1.58	0.88	27	6	1	0	88.2	69.3	78.8	91	64		259.7				

TABLE II SUMMARY OF DAILY OBSERVATIONS - DECEMBER 70

COUNTRY STATION	TOTAL AMOUNT	RAINFALL (inches)			AIR TEMPERATURE °F			MEAN GRASS MIN °F			NO OF DAYS WITH FOG THUNDER- STORMS HR		
		MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN		MEAN A	MIN A	MEAN 1/2(A+B)	EXTREMES MAX MIN	MEAN GRASS MIN °F	TOTAL SUNSHINE DURATION HR	FOG THUNDER- STORMS HR	HAZ GALE
				-0.4	-4.0	1.00							
JAMAICA													
HALLS DELIGHT	3.17	1.62	31	7	2	1	76.7	61.8	69.3	80	60		
HOPE GARDENS	1.45	.70	27	5	1	0	87.1	56.9	72.0	90	54	223.4	
IRWIN	4.69	1.00	27	14	5	1	83.6	67.8	75.7	89	63		
KINGSTON ST. GED	*47	*12	31	6	0	0	87.4	70.8	79.1	90	68		
MARSHALLS PEN	2.67	1.92	31	5	2	1	79.6	62.4	71.0	84	57	55.8	
MASON RIVER FIEL	3.00	.85	27	6	4	0	77.5	62.3	69.9	85	60		
MONTEGO BAY APT	2.49	1.11	31	11	1	1	82.9	72.0	77.5	85	67		
MONYMUSK	.03	.03	18	0	0	0	88.8	67.2	78.0	92	64	237.4	
MORANT POINT LH	1.66	.40	25	7	1	0	84.0	74.5	79.3	85	70		
ORANGE RIVER	15.00	6.45	11	17	6	3	81.7	67.9	74.8	90	64	92.4	
PALISADDIES APT	*1.1	*0.08	31	1	0	0	88.2	73.0	80.6	92	69	241.5	
RICHMOND	6.05	1.20	25	11	4	3	82.4	70.9	76.7	85	67		
SMITHFIELD	3.21	2.00	31	6	2	1	80.2	68.1	74.2	83	63	232.2	
WORTHY PARK	2.66	.75	16	6	3	0	80.5	62.8	71.7	83	58	202.6	
BELIZE													
BELIZE AIRPORT	7.13	1.35	16	13	6	4	81.9	68.9	75.4	84	63	194.5	
GUYANA													
BARTICA POTATO R	12.91	2.10	29	19	12	4	89.4	71.8	80.6	93	69		
EBINI	15.54	2.23	14	14	1	0	87.5	71.1	79.5	96	68	166.6	
GEORGETOWN BOT G	5.86	1.12	8	15	6	2	84.2	74.7	79.5	86	71	184.0	
HOSORORO	10.20	1.52	20	25	10	4	85.3	71.3	78.3	89	68	2	
KAMARANG	17.35	.93	16	25	5	0	81.9	67.9	66.9	85	65	125.1	
MAHAICONY ABARY	4.65	*6.8	10	17	4	0	84.8	74.0	79.4	87	72	240.3	
HAZARUND PRISON	9.60	2.08	16	24	9	1	87.9	72.7	80.3	90	70	140.1	
NON REPOS	5.63	*8.5	21	16	6	0	84.3	73.9	79.1	86	72	194.9	
NEW AMSTERDAM	6.41	1.30	9	18	6	1	85.8	73.7	79.8	88	73		
PORT KAITUMA	11.06	2.38	21	19	9	3	86.3	68.8	75.6	90	66		
ST IGNATIUS	*77	*3.4	9	7	0	0	91.4	74.6	83.0	94	72		
TIMEHRI AIRPORT	7.91	1.20	9	21	8	2	85.3	71.3	78.3	89	67	248.0	
TIMEHRI CHS	7.15	1.07	9	21	8	1	85.2	68.5	67.4	89	64	66.3	

TABLE II SUMMARY OF DAILY OBSERVATIONS DECEMBER '70

COUNTRY STATION	RAINFALL (inches)					
	TOTAL AMOUNT	MOST IN A DAY	DATE	NUMBER OF DAYS WITH OR MORE THAN		
	.04	.40	1.00			
TRINIDAD						
COCAL EST	7.17	.72	14	24	9	0
GREEN HILL RIVER	5.87	1.04	4	18	5	1
GUAYAGUAYARE	12.74	5.21	19	8	5	4
LA PASTORA	6.18	1.25	19	18	5	2
MATELOT	4.36	1.94	28	19	7	2
NAVET DAMSITE	10.87	1.57	15	25	12	2
POINT FORTIN	9.64	1.20	7	20	10	4
PORT OF SPAIN R	3.88	.80	10	16	4	0
QUAREDAM HOLLIS	15.57	2.47	6	28	12	5
WATERLOO EST	6.52	1.16	20	17	5	2
TOBAGO						
CASTARA	13.87	1.02	19	30	16	1
HILLSBOROUGH DAM	12.03	1.92	5	24	10	3
MORIAH	13.47	5.40	17	18	8	5
PLYMOUTH WHITE R	9.71	1.82	16	23	5	4
SCARBOROUGH BOT	6.16	1.42	14	14	4	2
SPEYSIDE	12.06	2.43	29	24	10	4
BARBADOS						
BELLE ST M	6.55	1.32	14	18	6	1
CASTLE GRANT	6.72	.78	15	21	7	0
CLIFTON HALL	4.52	.66	15	14	5	0
EDGECUMBE ST P	5.96	1.62	14	19	5	1
RIVER ST P	4.81	1.12	6	15	5	1

TABLE III—SUMMARY OF AGROMETEOROLOGICAL OBSERVATIONS DECEMBER 70

COUNTRY STATION	SOIL TEMPERATURES °F										TOTAL RADIATION (Hangleys)	
	EVAPORATION (inches)			EXTREMES				TOTAL AMOUNT IN A DAY			MOST IN A DAY	LEAST IN A DAY
	RUN OF WIND (n. miles)	MOST IN A DAY	TOTAL AMOUNT MEAN	DATE	MEAN MAX	MEAN MIN	MAX MIN	DATE	MEAN MAX	MIN		
TRINIDAD												
CENTENO	70	110	4.65	•23	18							
PENAL AG STATION	50	77	4.11	•28	25	89•5	74•4	97	6 70	85•6	78•2	90 76
PIARCO AIRPORT	78	121	5•23	•25	21							
ST AUGUSTINE UNI	18	28	3.46	•20	21							
TOBAGO												
CROWN POINT APT	79	109	6•31	•36	12							
GRENADA												
MIRABEAU	79	113	4•28	•23	22	89•7	71•6	100	3 69	83•6	76•3	90 74
BARBADOS												
HUSBANDS CMI	119	170	5•69	•28	20							
JAMAICA												
BERNARD LODGE	78	147	4•79	•25	19							
BODLES	75	144	5•33	•33	10							
CEDAR VALLEY	33	49	4•12	•24	11							
EAST ALBION NURS	14	35	6•13	•31	31							
FARM HILL	42	109	2•55	•11	11							
HALLS DELIGHT	49	134	3•27	•20	30							
MONTEGO BAY AIRP	148	266	5•90	•33	3							
ORANGE RIVER	44	83				84•0	70•4	90	17 60	81•2	73•4	85 64
SMITHFIELD	75	116	4•04	•22	4	81•7	68•7	86	17 62	79•3	71•1	82 70
GUYANA												
GEORGETOWN BOT	6	75	117	3•89	•16	3						
KAWARANG		33	50	3•85	•33	3						
ST IGNATIUS		150	174	9•83	•40	14						

TABLE IV - SUMMARY OF RAINFALL INTENSITY RECORDS DECEMBER 70

COUNTRY STATION	MAXIMUM AMOUNTS (inches) IN RAINFALL DAY DURING SPECIFIED PERIODS OF TIME						
	5 mins	10 mins	15 mins	30 mins	1 hour	2 hours	6 hours
TRINIDAD							
CENTENO	.30	.24	.31	.38	.41	.42	.80
PENAL AG STATION	.30	.44	.59	.63	.66	.93	1.03
PIARCO AIRPORT	.20	.28	.31	.37	.42	.65	.87
ST AUGUSTINE UNI	.40	.43	.44	.62	.66	.88	.88
TABAGO							
CROWN POINT APT	.31	.43	.59	.75	.90	.94	1.26
LOUIS D'OR	.22	.30	.42	.54	.95	1.22	1.65
grenada							
MIRABEAU	.35	.40	.56	.76	.80	.85	.92
BARBADOS							
HUSBANDS CMI	.16	.28	.40	.52	.53	.66	.91
LION CASTLE ST T	.36	.50	.53	.59	.59	.82	.95
GUYANA							
EBINI	.30	.56	.80	1.06	1.99	2.12	2.23
GEORGETOWN BOT 6	.35	.45	.60	.71	.71	.98	1.05
KAMARANG	.19	.24	.29	.35	.42	.49	.87
NAHAICONY ABARY	.22	.22	.30	.36	.56	.66	.66
NEW AMSTERDAM	.40	.47	.47	.47	.60	.81	1.28
ST IGNATIUS	.06	.06	.09	.14	.22	.32	.53
TIMEHRI CHS	.36	.42	.49	.50	.59	.76	1.07

TABLE V - SUMMARY OF WINDSPEED RECORDS DECEMBER 70

COUNTRY STATION	HIGHEST HOURLY WIND			HIGHEST GUST			NO OF HOURS WITH GUSTS EXCEEDING			MEAN WIND SPEED		
	DIRN	SPEED ENDG	HR	DIRN	SPEED	HR	DATE	LAST HR	33	47	63	

TRINIDAD

PIARCO AIRPORT	08	16	15	17	07	33	1220	20	0	0	0	5.3
ANTIGUA												
COOLIDGE AIRPORT	11	24	20	12	12	38	0020	13	1	0	0	14.2
JAMAICA												
MONTEGO BAY	08	22	11	10	08	35	1245	10	1	0	0	9.4
PALISADOES APT	13	20	15	14	11	35	1445	14	1	0	0	2.9

TABLE VI - SUMMARY OF SUNSHINE RECORDS DECEMBER 70

COUNTRY STATION	MEAN DURATION (hundredths of an hour) DURING SPECIFIED HOURS (Local Apparent Time)												TOTAL DURATION (hours)	PERCENT POSSIBLE IN A DAY	MOST IN A DAY	NO. OF DAYS WITH AMOUNTS WITHIN THE RANGES (hours)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
6- 9	9- 12	12- 15	15- 18	18- 21	21- 24	24- 27	27- 30	30- 33	33- 36	36- 39	39- 42	42- 45	45- 48	48- 51	51- 54	54- 57	57- 60	60- 63	63- 66	66- 69	69- 72	72- 75	75- 78	78- 81	81- 84	84- 87	87- 90	90- 93	93- 96	96- 99	99- 102	102- 105	105- 108	108- 111	111- 114	114- 117	117- 120	120- 123	123- 126	126- 129	129- 132	132- 135	135- 138	138- 141	141- 144	144- 147	147- 150	150- 153	153- 156	156- 159	159- 162	162- 165	165- 168	168- 171	171- 174	174- 177	177- 180	180- 183	183- 186	186- 189	189- 192	192- 195	195- 198	198- 201	201- 204	204- 207	207- 210	210- 213	213- 216	216- 219	219- 222	222- 225	225- 228	228- 231	231- 234	234- 237	237- 240	240- 243	243- 246	246- 249	249- 252	252- 255	255- 258	258- 261	261- 264	264- 267	267- 270	270- 273	273- 276	276- 279	279- 282	282- 285	285- 288	288- 291	291- 294	294- 297	297- 300	300- 303	303- 306	306- 309	309- 312	312- 315	315- 318	318- 321	321- 324	324- 327	327- 330	330- 333	333- 336	336- 339	339- 342	342- 345	345- 348	348- 351	351- 354	354- 357	357- 360	360- 363	363- 366	366- 369	369- 372	372- 375	375- 378	378- 381	381- 384	384- 387	387- 390	390- 393	393- 396	396- 399	399- 402	402- 405	405- 408	408- 411	411- 414	414- 417	417- 420	420- 423	423- 426	426- 429	429- 432	432- 435	435- 438	438- 441	441- 444	444- 447	447- 450	450- 453	453- 456	456- 459	459- 462	462- 465	465- 468	468- 471	471- 474	474- 477	477- 480	480- 483	483- 486	486- 489	489- 492	492- 495	495- 498	498- 501	501- 504	504- 507	507- 510	510- 513	513- 516	516- 519	519- 522	522- 525	525- 528	528- 531	531- 534	534- 537	537- 540	540- 543	543- 546	546- 549	549- 552	552- 555	555- 558	558- 561	561- 564	564- 567	567- 570	570- 573	573- 576	576- 579	579- 582	582- 585	585- 588	588- 591	591- 594	594- 597	597- 600	600- 603	603- 606	606- 609	609- 612	612- 615	615- 618	618- 621	621- 624	624- 627	627- 630	630- 633	633- 636	636- 639	639- 642	642- 645	645- 648	648- 651	651- 654	654- 657	657- 660	660- 663	663- 666	666- 669	669- 672	672- 675	675- 678	678- 681	681- 684	684- 687	687- 690	690- 693	693- 696	696- 699	699- 702	702- 705	705- 708	708- 711	711- 714	714- 717	717- 720	720- 723	723- 726	726- 729	729- 732	732- 735	735- 738	738- 741	741- 744	744- 747	747- 750	750- 753	753- 756	756- 759	759- 762	762- 765	765- 768	768- 771	771- 774	774- 777	777- 780	780- 783	783- 786	786- 789	789- 792	792- 795	795- 798	798- 801	801- 804	804- 807	807- 810	810- 813	813- 816	816- 819	819- 822	822- 825	825- 828	828- 831	831- 834	834- 837	837- 840	840- 843	843- 846	846- 849	849- 852	852- 855	855- 858	858- 861	861- 864	864- 867	867- 870	870- 873	873- 876	876- 879	879- 882	882- 885	885- 888	888- 891	891- 894	894- 897	897- 900	900- 903	903- 906	906- 909	909- 912	912- 915	915- 918	918- 921	921- 924	924- 927	927- 930	930- 933	933- 936	936- 939	939- 942	942- 945	945- 948	948- 951	951- 954	954- 957	957- 960	960- 963	963- 966	966- 969	969- 972	972- 975	975- 978	978- 981	981- 984	984- 987	987- 990	990- 993	993- 996	996- 999	999- 1002	1002- 1005	1005- 1008	1008- 1011	1011- 1014	1014- 1017	1017- 1020	1020- 1023	1023- 1026	1026- 1029	1029- 1032	1032- 1035	1035- 1038	1038- 1041	1041- 1044	1044- 1047	1047- 1050	1050- 1053	1053- 1056	1056- 1059	1059- 1062	1062- 1065	1065- 1068	1068- 1071	1071- 1074	1074- 1077	1077- 1080	1080- 1083	1083- 1086	1086- 1089	1089- 1092	1092- 1095	1095- 1098	1098- 1101	1101- 1104	1104- 1107	1107- 1110	1110- 1113	1113- 1116	1116- 1119	1119- 1122	1122- 1125	1125- 1128	1128- 1131	1131- 1134	1134- 1137	1137- 1140	1140- 1143	1143- 1146	1146- 1149	1149- 1152	1152- 1155	1155- 1158	1158- 1161	1161- 1164	1164- 1167	1167- 1170	1170- 1173	1173- 1176	1176- 1179	1179- 1182	1182- 1185	1185- 1188	1188- 1191	1191- 1194	1194- 1197	1197- 1200	1200- 1203	1203- 1206	1206- 1209	1209- 1212	1212- 1215	1215- 1218	1218- 1221	1221- 1224	1224- 1227	1227- 1230	1230- 1233	1233- 1236	1236- 1239	1239- 1242	1242- 1245	1245- 1248	1248- 1251	1251- 1254	1254- 1257	1257- 1260	1260- 1263	1263- 1266	1266- 1269	1269- 1272	1272- 1275	1275- 1278	1278- 1281	1281- 1284	1284- 1287	1287- 1290	1290- 1293	1293- 1296	1296- 1299	1299- 1302	1302- 1305	1305- 1308	1308- 1311	1311- 1314	1314- 1317	1317- 1320	1320- 1323	1323- 1326	1326- 1329	1329- 1332	1332- 1335	1335- 1338	1338- 1341	1341- 1344	1344- 1347	1347- 1350	1350- 1353	1353- 1356	1356- 1359	1359- 1362	1362- 1365	1365- 1368	1368- 1371	1371- 1374	1374- 1377	1377- 1380	1380- 1383	1383- 1386	1386- 1389	1389- 1392	1392- 1395	1395- 1398	1398- 1401	1401- 1404	1404- 1407	1407- 1410	1410- 1413	1413- 1416	1416- 1419	1419- 1422	1422- 1425	1425- 1428	1428- 1431	1431- 1434	1434- 1437	1437- 1440	1440- 1443	1443- 1446	1446- 1449	1449- 1452	1452- 1455	1455- 1458	1458- 1461	1461- 1464	1464- 1467	1467- 1470	1470- 1473	1473- 1476	1476- 1479	1479- 1482	1482- 1485	1485- 1488	1488- 1491	1491- 1494	1494- 1497	1497- 1500	1500- 1503	1503- 1506	1506- 1509	1509- 1512	1512- 1515	1515- 1518	1518- 1521	1521- 1524	1524- 1527	1527- 1530	1530- 1533	1533- 1536	1536- 1539	1539- 1542	1542- 1545	1545- 1548	1548- 1551	1551- 1554	1554- 1557	1557- 1560	1560- 1563	1563- 1566	1566- 1569	1569- 1572	1572- 1575	1575- 1578	1578- 1581	1581- 1584	1584- 1587	1587- 1590	1590- 1593	1593- 1596	1596- 1599	1599- 1602	1602- 1605	1605- 1608	1608- 1611	1611- 1614	1614- 1617	1617- 1620	1620- 1623	1623- 1626	1626- 1629	1629- 1632	1632- 1635	1635- 1638	1638- 1641	1641- 1644	1644- 1647	1647- 1650	1650- 1653	1653- 1656	1656- 1659	1659- 1662	1662- 1665	1665- 1668	1668- 1671	1671- 1674	1674- 1677	1677- 1680	1680- 1683	1683- 1686	1686- 1689	1689- 1692	1692- 1695	1695- 1698	1698- 1701	1701- 1704	1704- 1707	1707- 1710	1710- 1713	1713- 1716	1716- 1719	1719- 1722	1722- 1725	1725- 1728	1728- 1731	1731- 1734	1734- 1737	1737- 1740	1740- 1743	1743- 1746	1746- 1749	1749- 1752	1752- 1755	1755- 1758	1758- 1761	1761- 1764	1764- 1767	1767- 1770	1770- 1773	1773- 1776	1776- 1779	1779- 1782	1782- 1785	1785- 1788	1788- 1791	1791- 1794	1794- 1797	1797- 1800	1800- 1803	1803- 1806	1806- 1809	1809- 1812	1812- 1815	1815- 1818	1818- 1821	1821- 1824	1824- 1827	1827- 1830	1830- 1833	1833- 1836	1836- 1839	1839- 1842	1842- 1845	1845- 1848	1848- 1851	1851- 1854	1854- 1857	1857- 1860	1860- 1863	1863- 1866	1866- 1869	1869- 1872	1872- 1875	1875- 1878	1878- 1881	1881- 1884	1884- 1887	1887- 1890	1890- 1893	1893- 1896	1896- 1899	1899- 1902	1902- 1905	1905- 1908	1908- 1911	1911- 1914	1914- 1917	1917- 1920	1920- 1923	1923- 1926	1926- 1929	1929- 1932	1932- 1935	1935- 1938	1938- 1941	1941- 1944	1944- 1947	1947- 1950	1950- 1953	1953- 1956	1956- 1959	1959- 1962	1962- 1965	1965- 1968	1968- 1971	1971- 1974	1974- 1977	1977- 1980	1980- 1983	1983- 1986	1986- 1989	1989- 1992	1992- 1995	1995- 1998	1998- 2001	2001- 2004	2004- 2007	2007- 2010	2010- 2013	2013- 2016	2016- 2019	2019- 2022	2022- 2025	2025- 2028	2028- 2031	2031- 2034	2034- 2037	2037- 2040	2040- 2043	2043- 2046	2046- 2049	2049- 2052	2052- 2055	2055- 2058	2058- 2061	2061- 2064	2064- 2067	2067- 2070	2070- 2073	2073- 2076	2076- 2079	2079- 2082	2082- 2085	2085- 2088	2088- 2091	2091- 2094	2094- 2097	2097- 2100	2100- 2103	2103- 2106	2106- 2